

FIG. 1

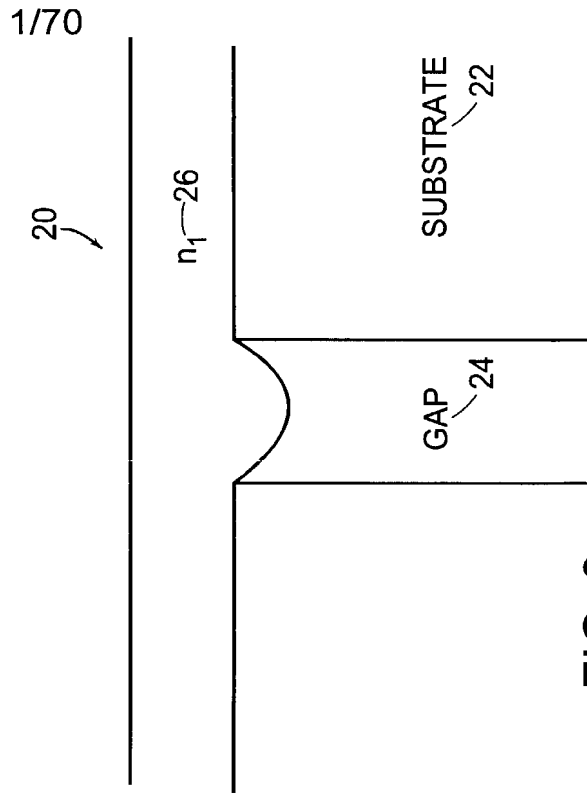


FIG. 2

2/70

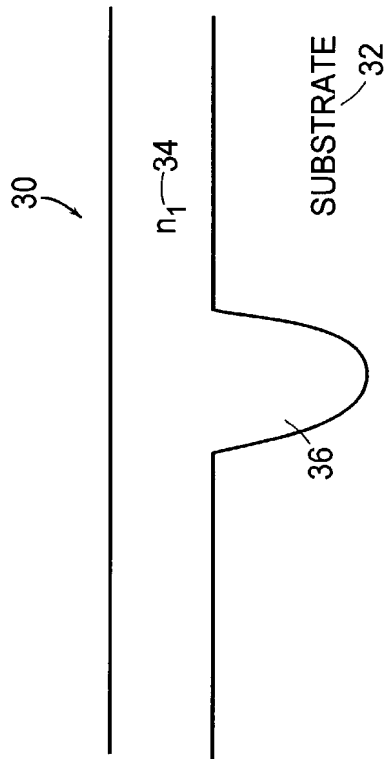


FIG. 3

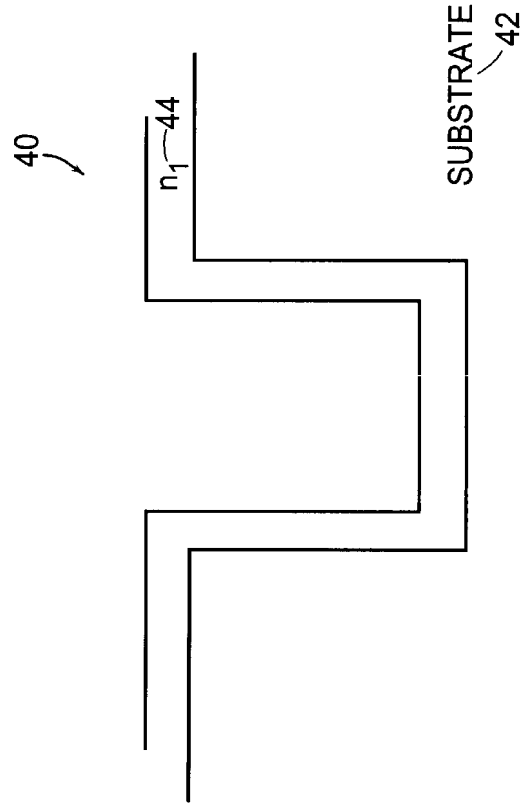


FIG. 4

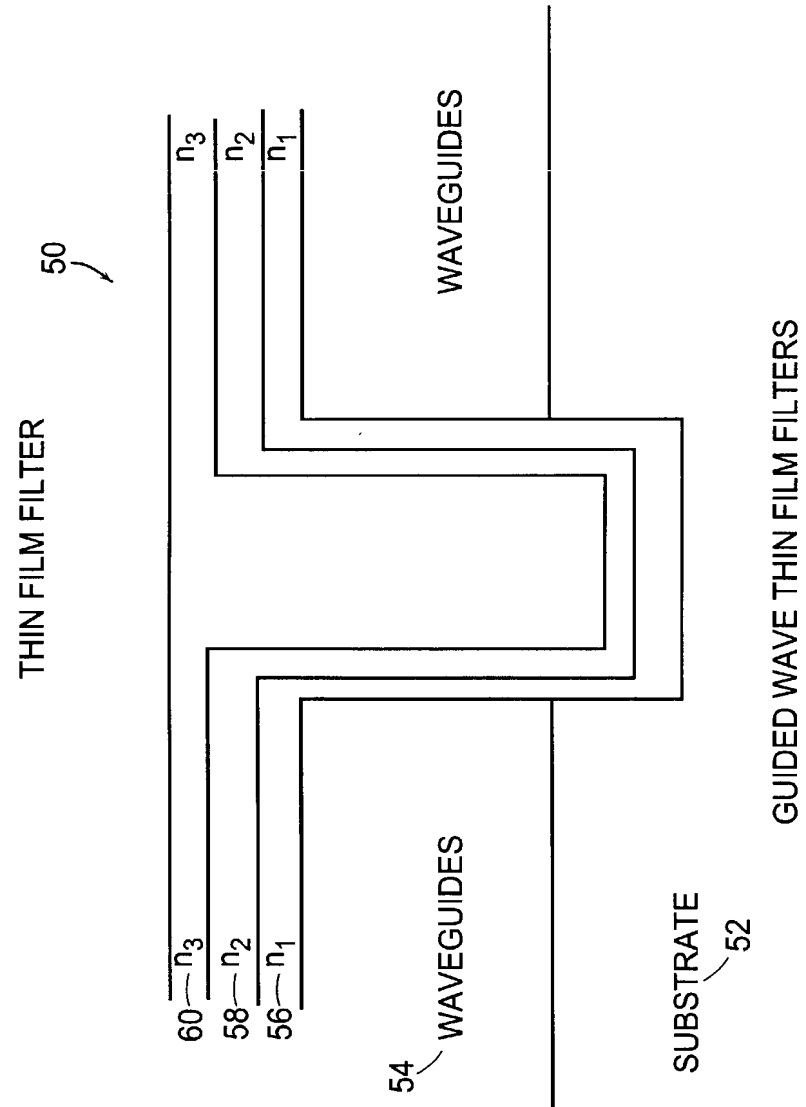


FIG. 5A

Docket No. 301541.3000-100
Title: Systems and Methods...Circuit Devices
Inventors: Jack P. Salerno et al.

4/70

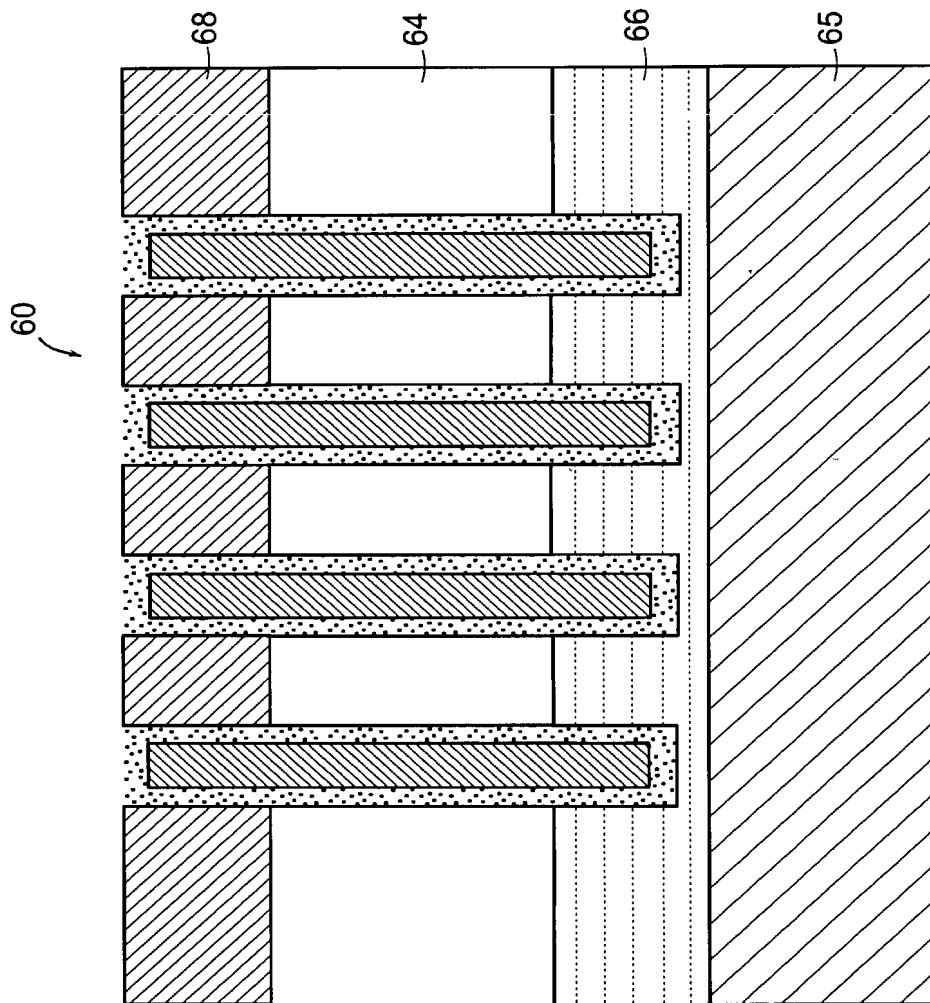


FIG. 5B

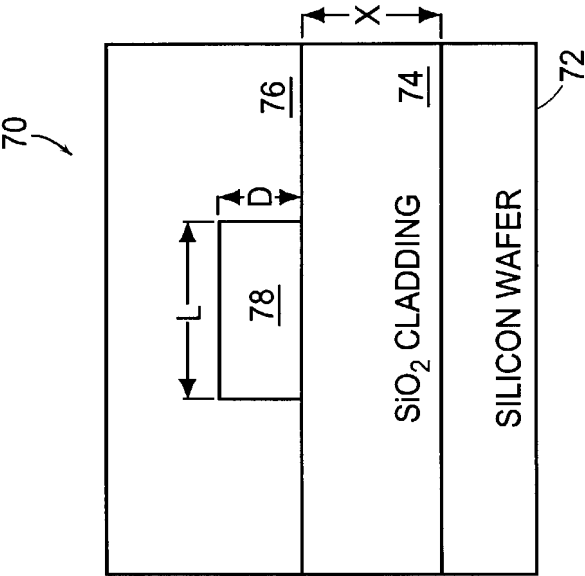


FIG. 5C

6/70

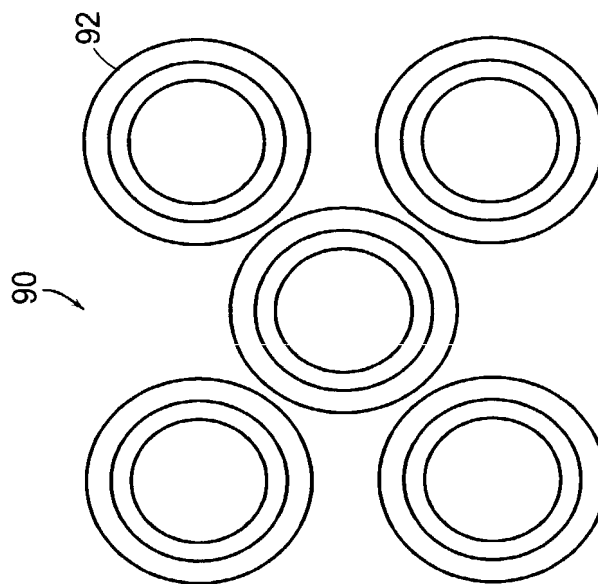


FIG. 7

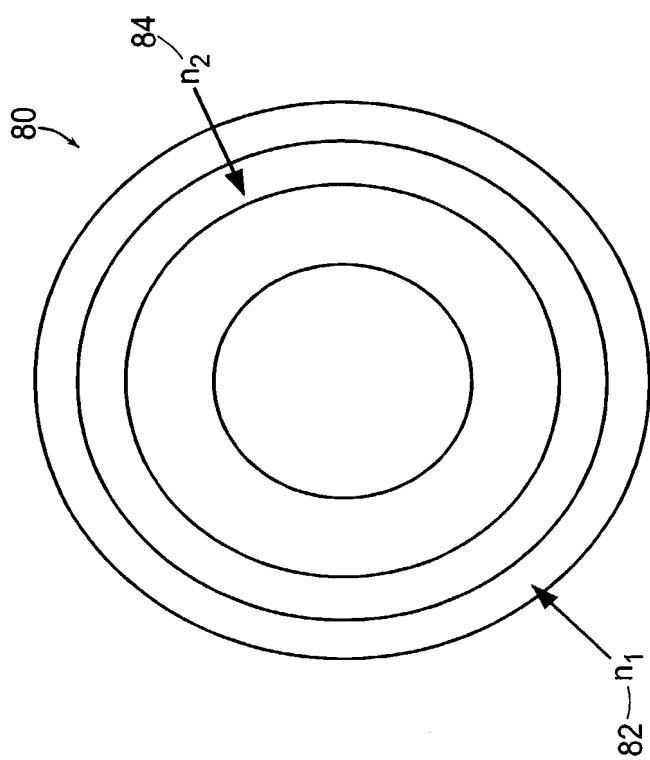


FIG. 6

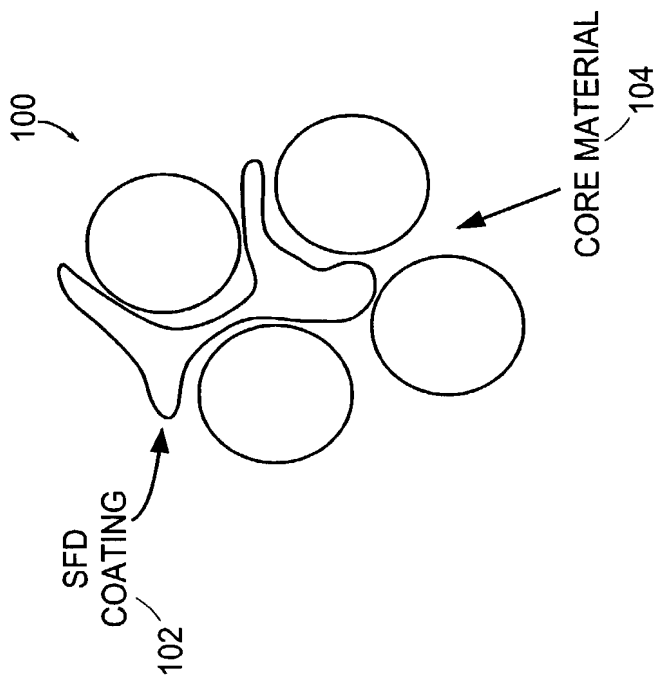


FIG. 8

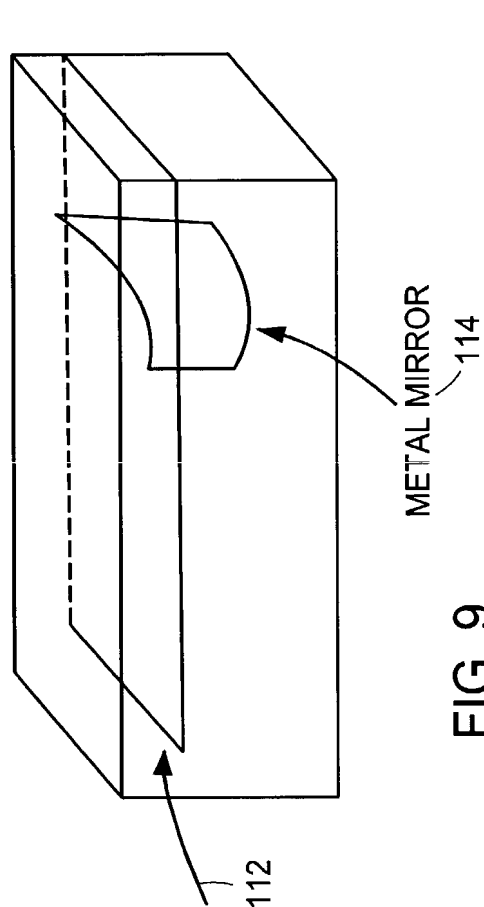


FIG. 9



9/70

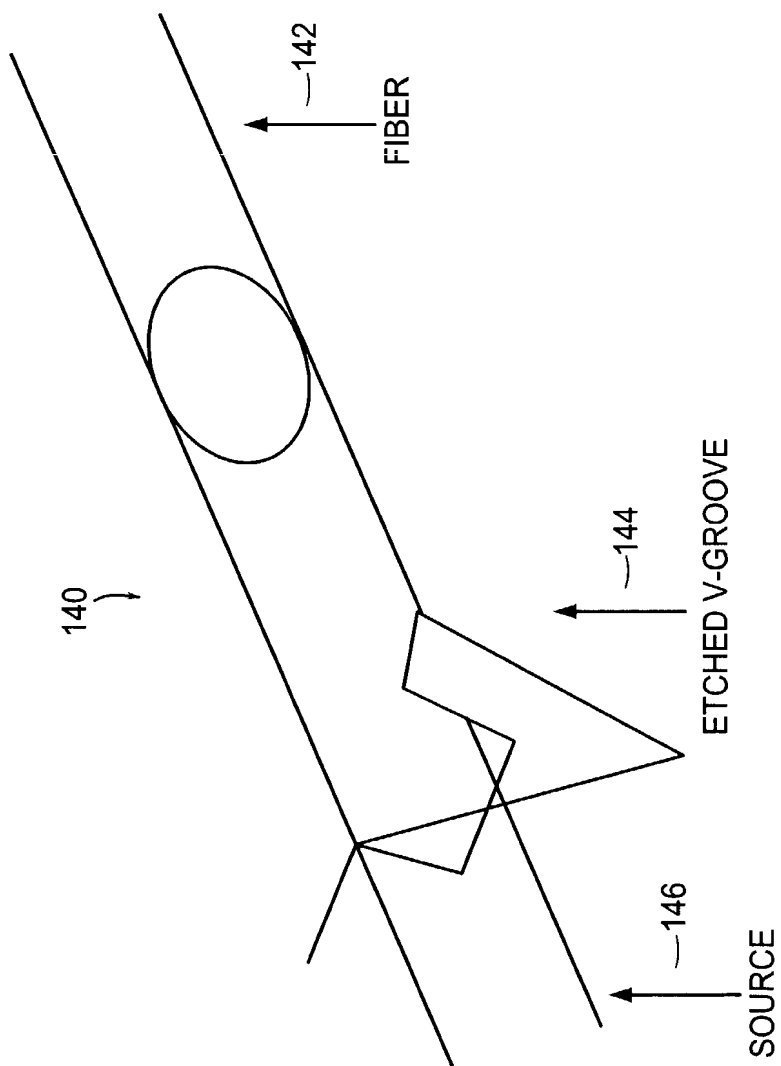


FIG. 11A

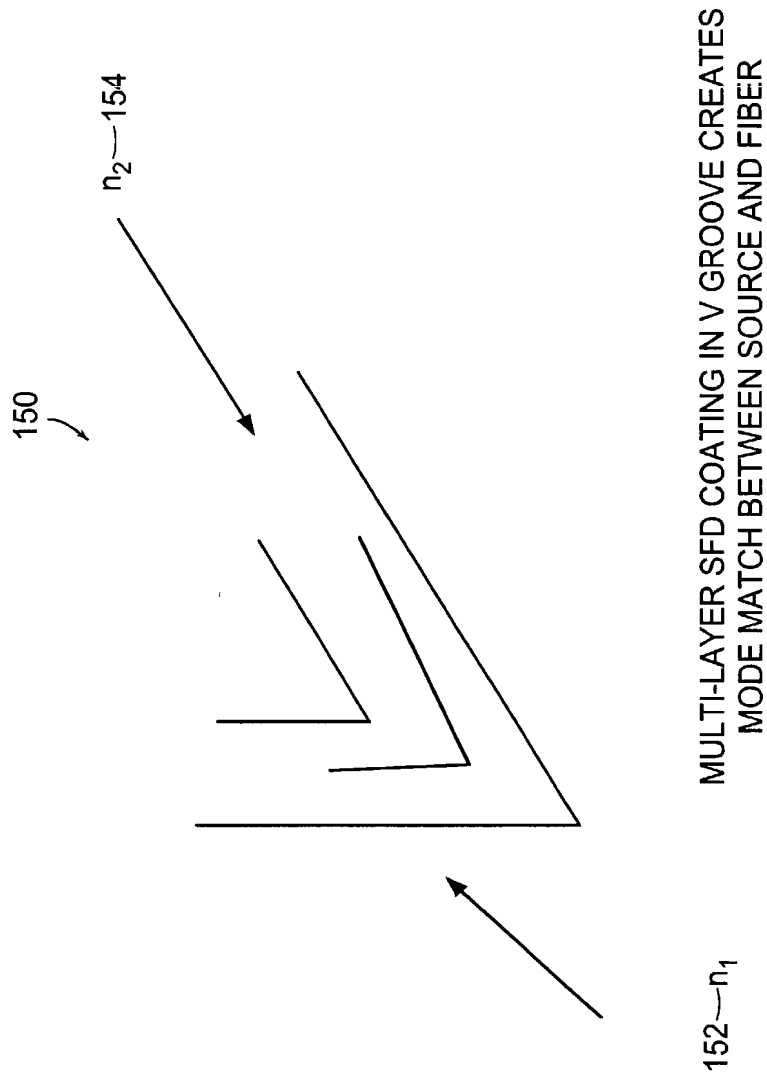


FIG. 11B

11/70

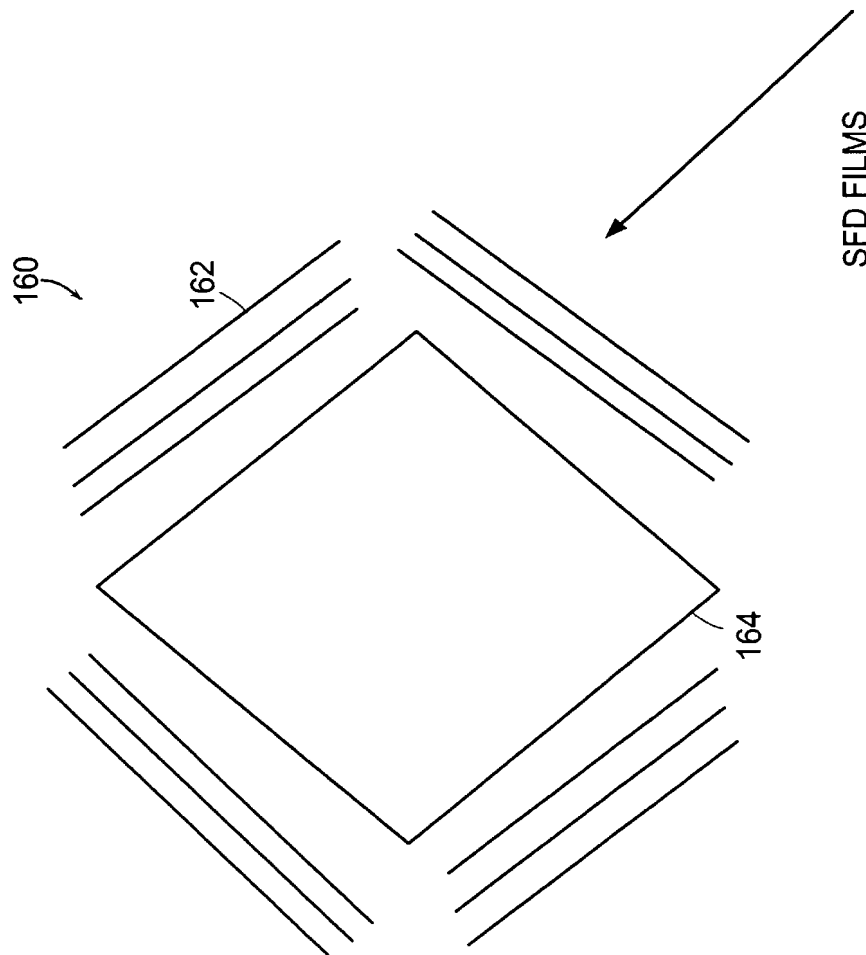


FIG. 12

12/70

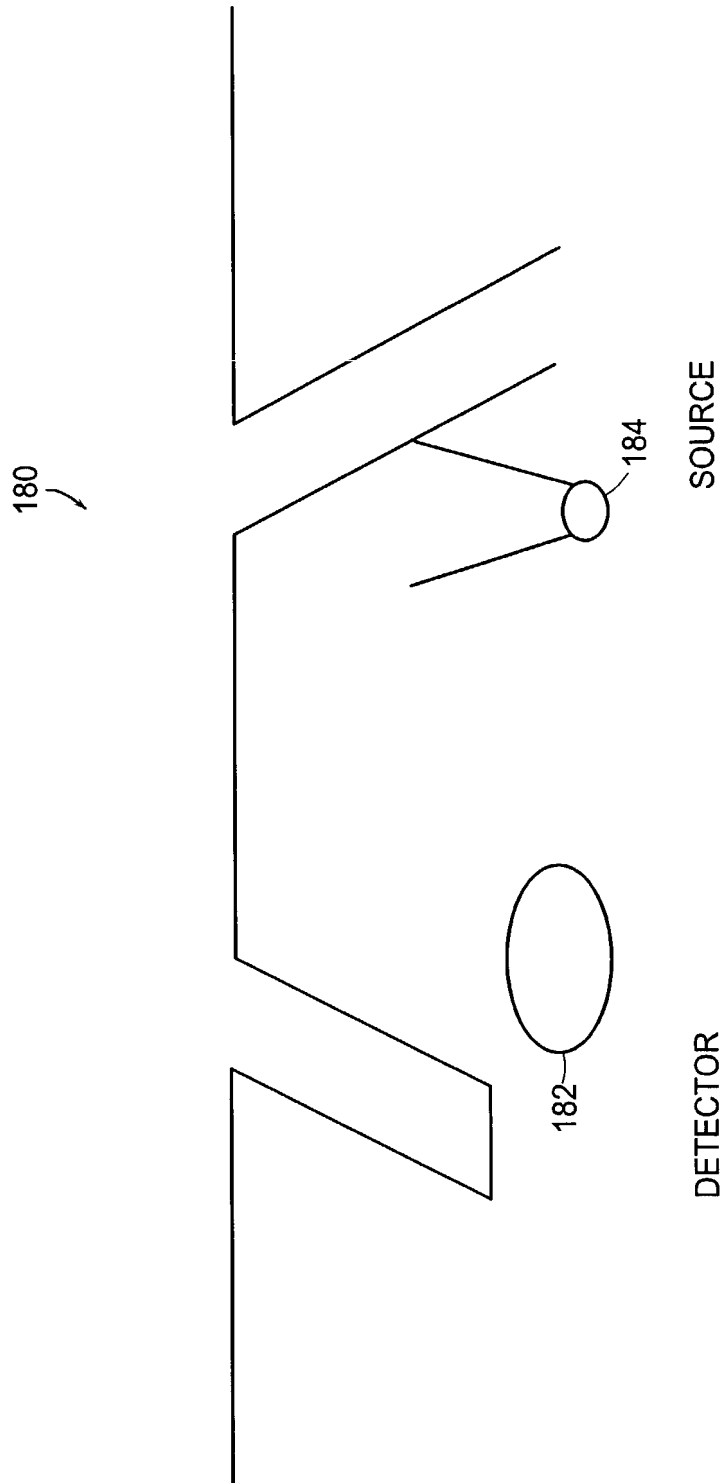


FIG. 13A

13/70

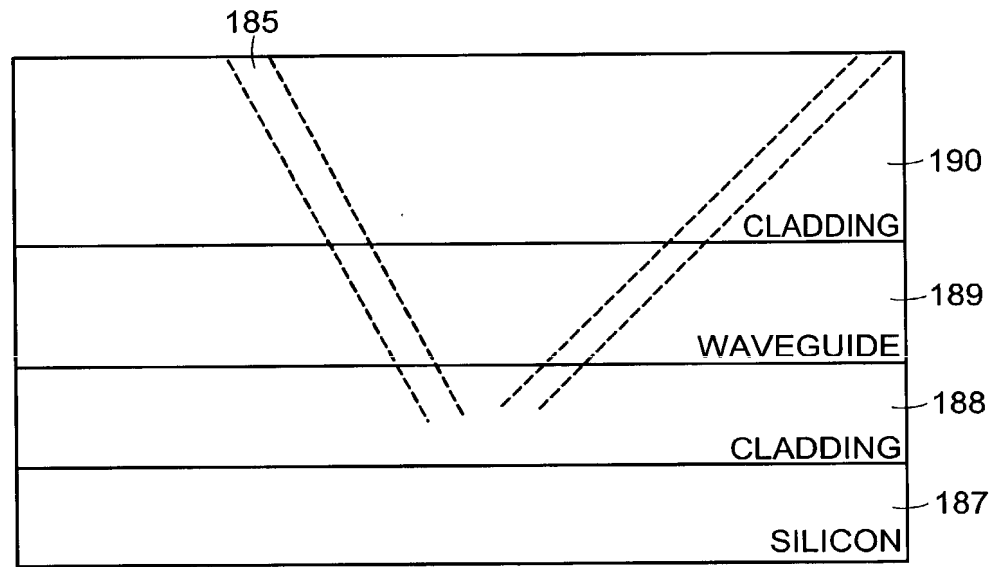


FIG. 13B

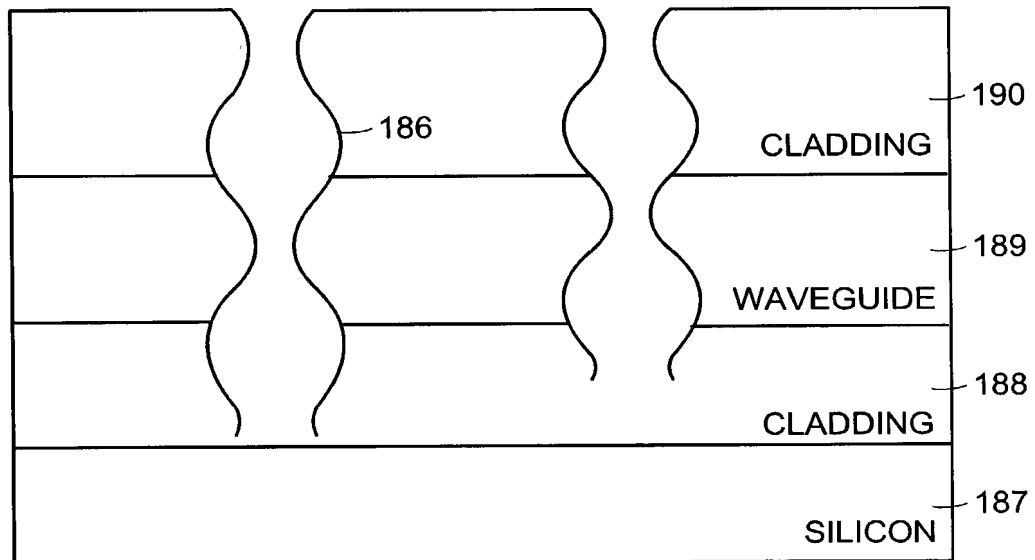


FIG. 13C

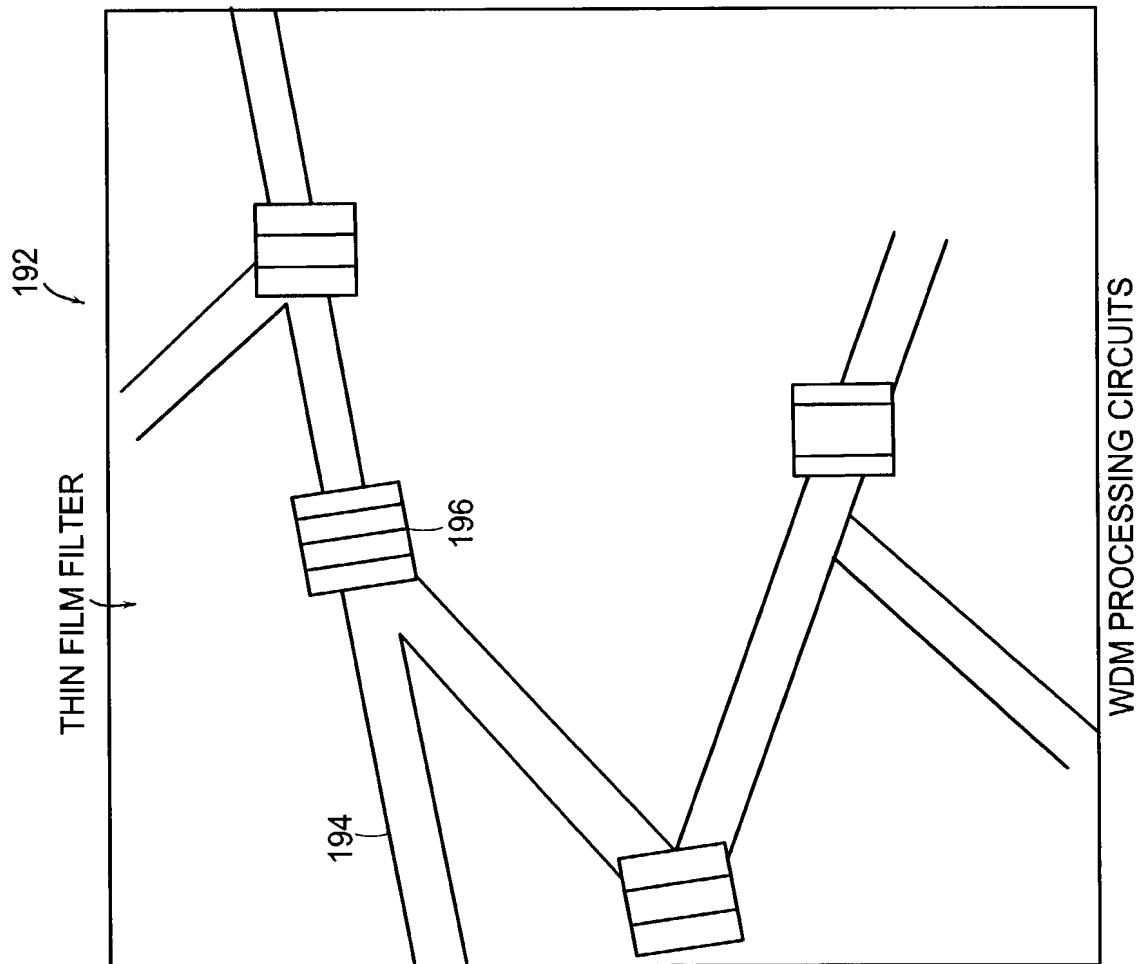


FIG. 14

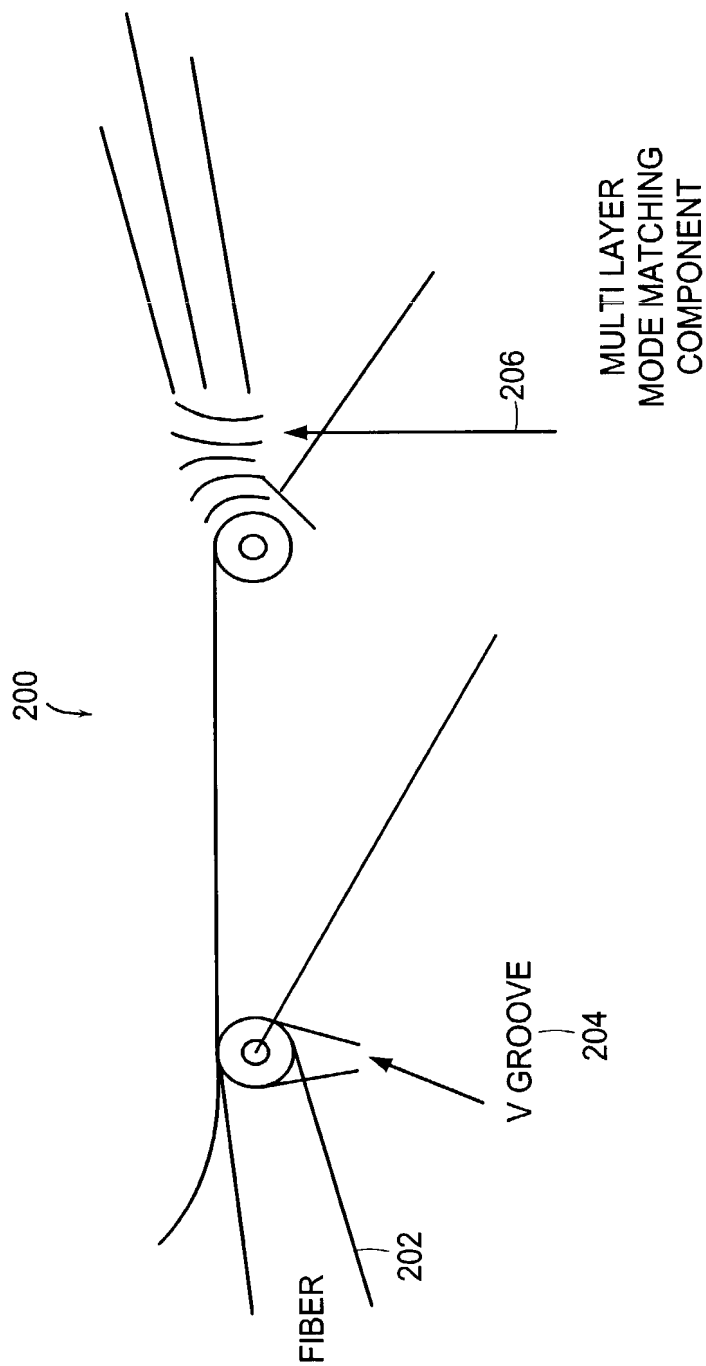


FIG. 15

16/70

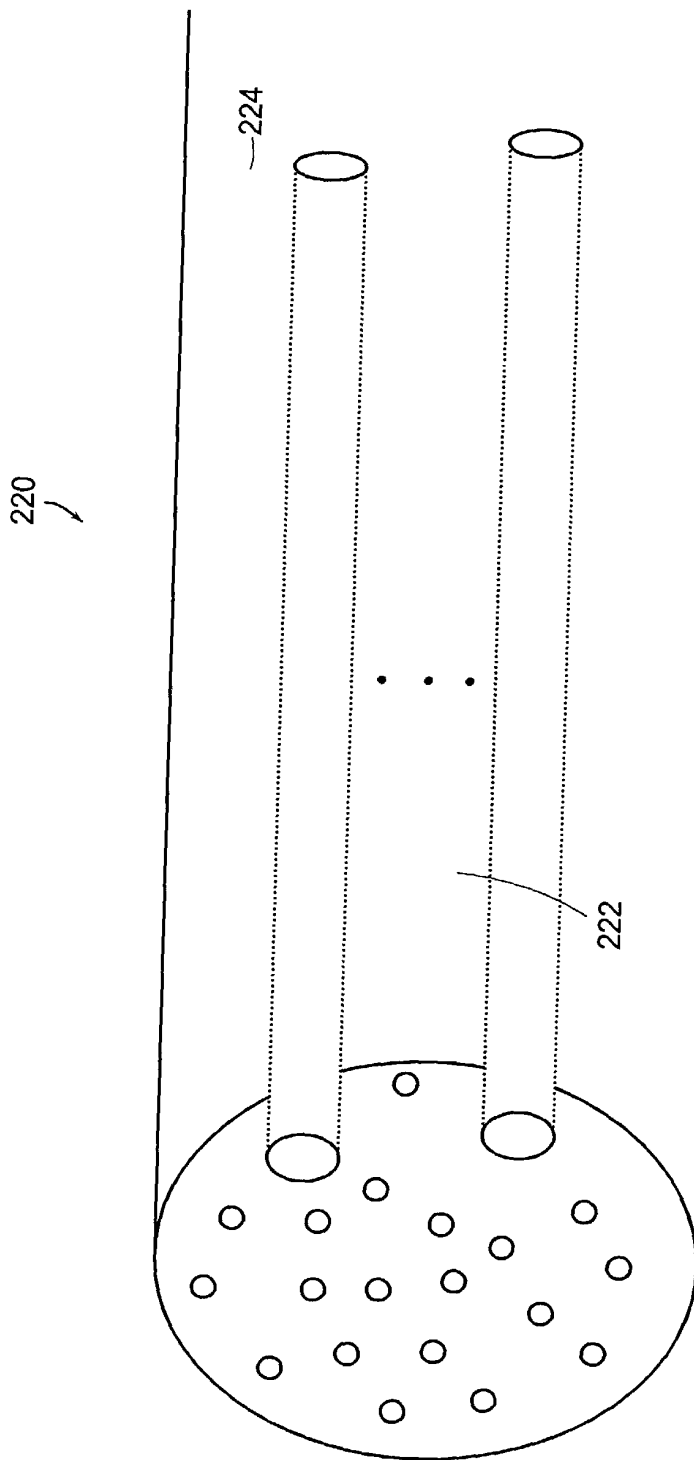
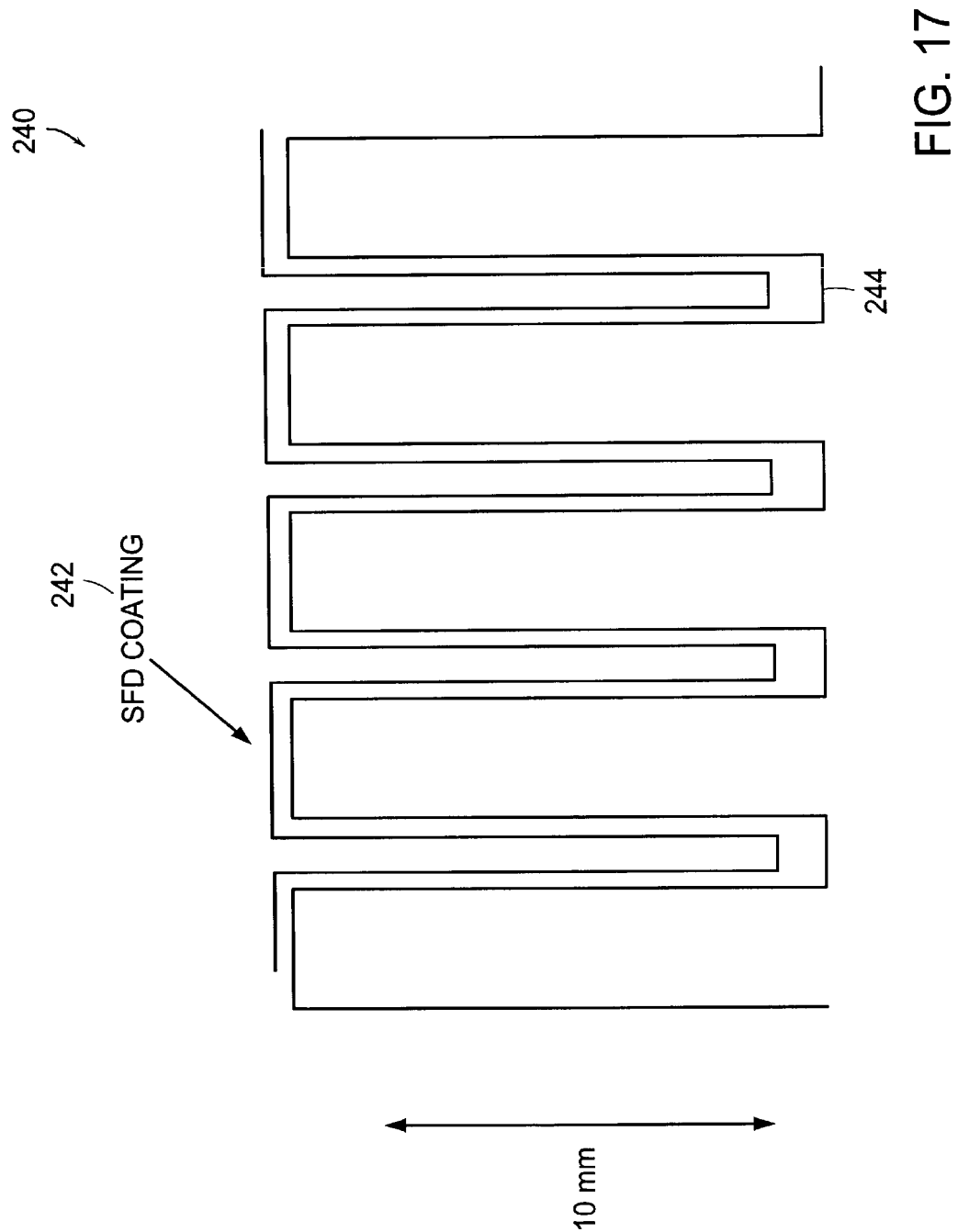
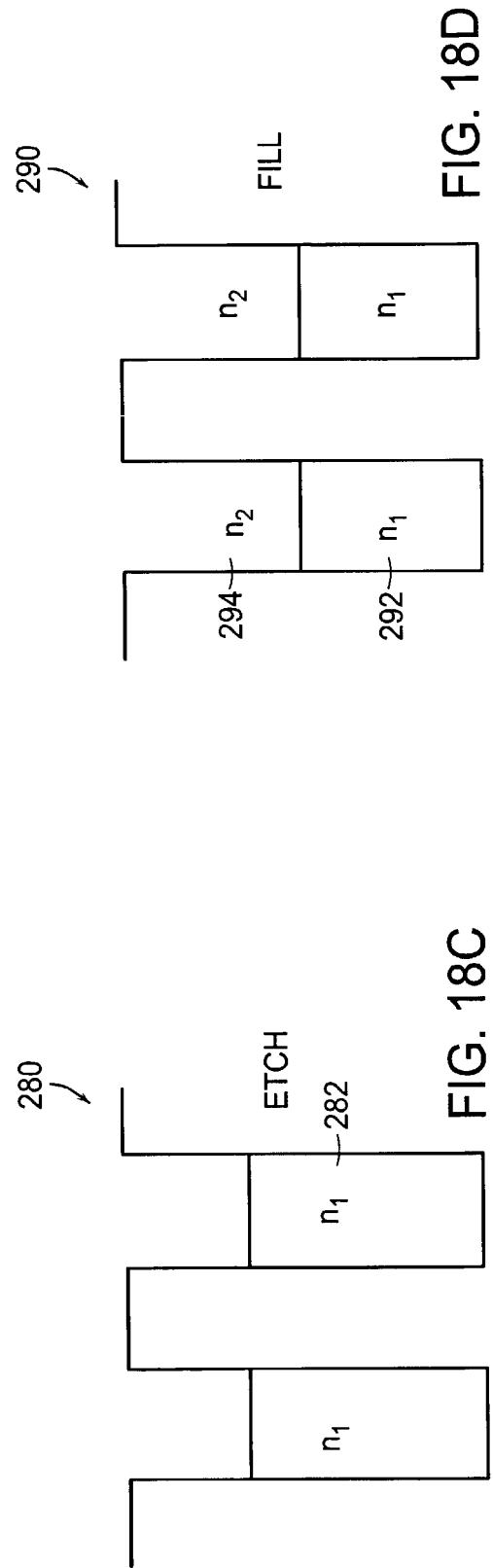
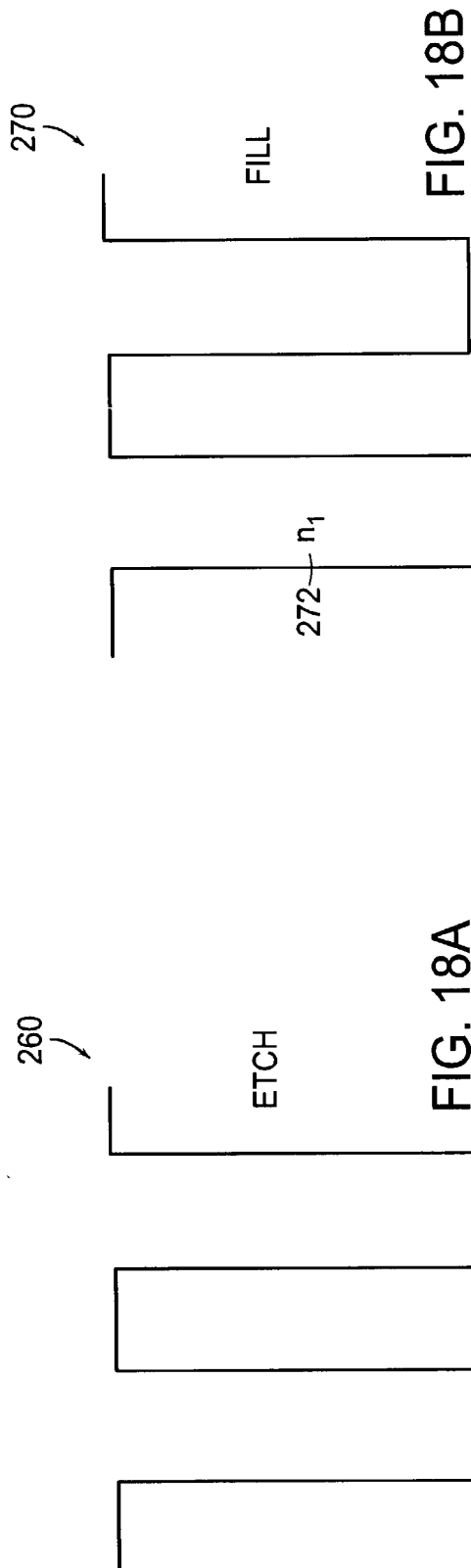


FIG. 16

17/70





19/70

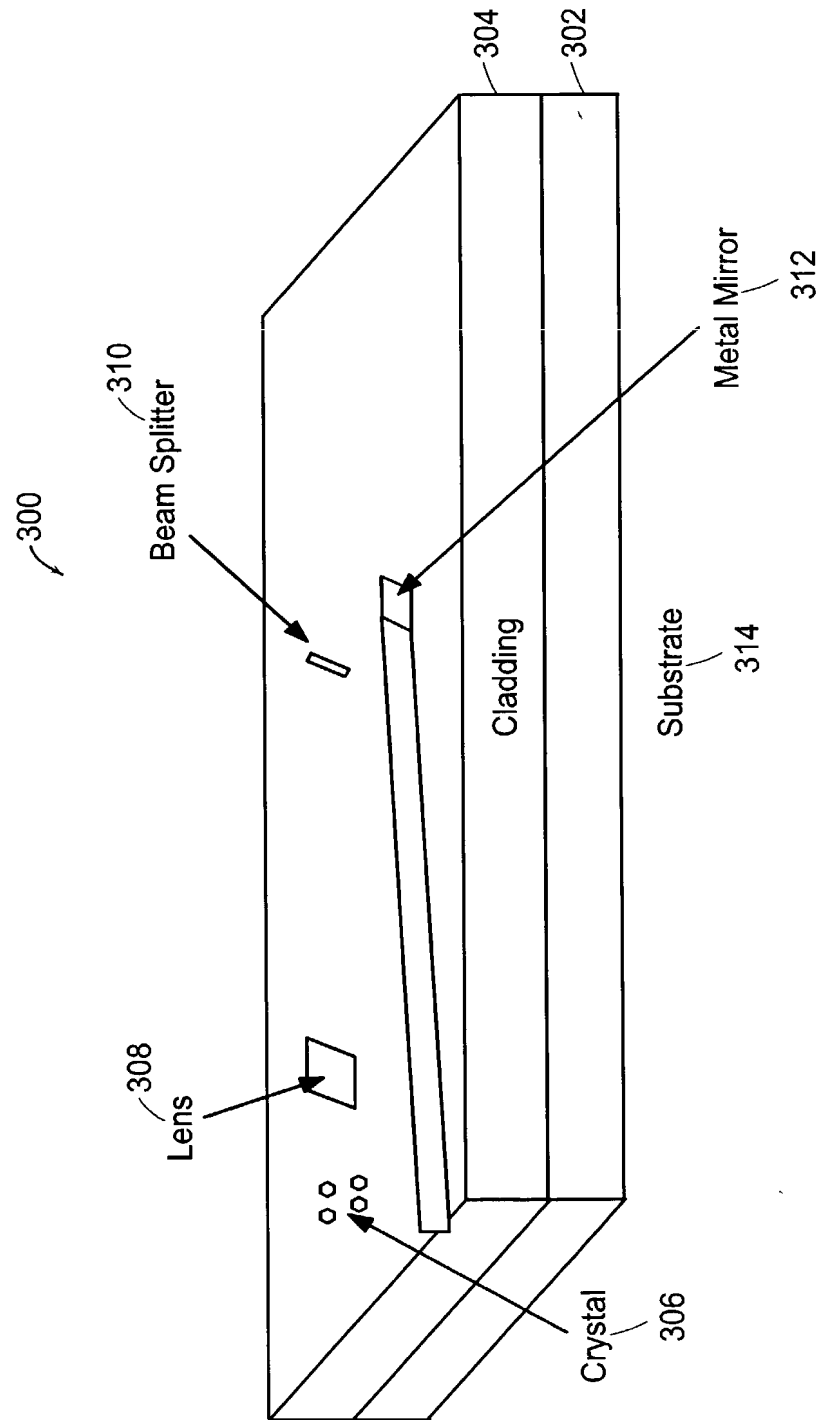


FIG. 19

20/70

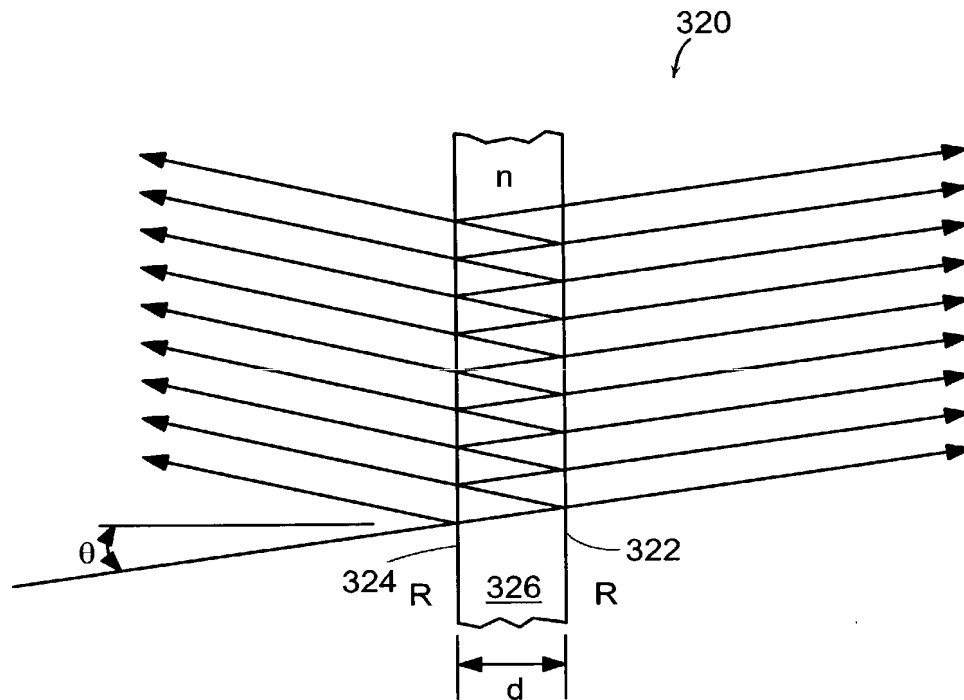


FIG. 20

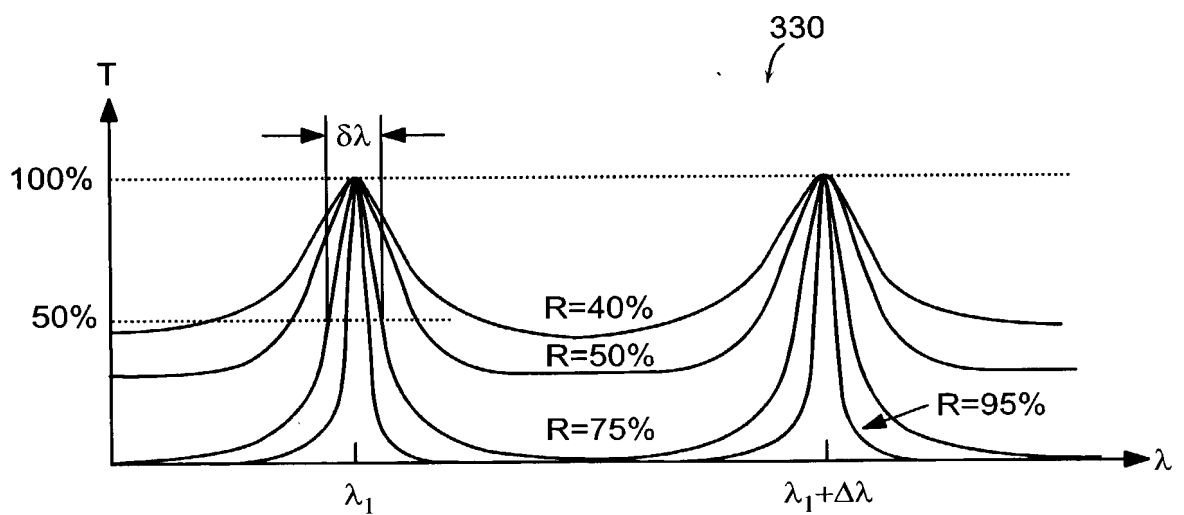


FIG. 21

21/70

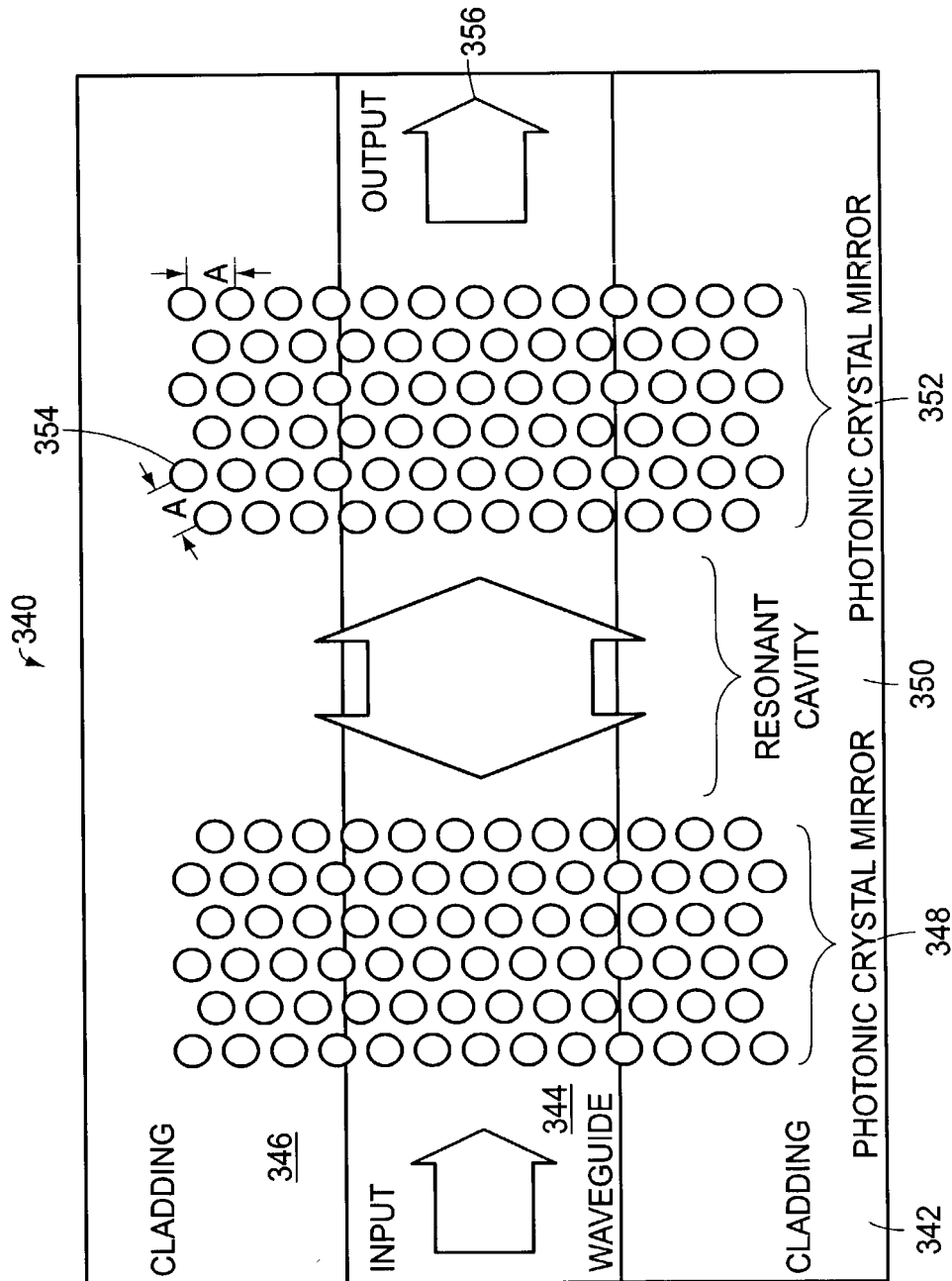


FIG. 22

22/70

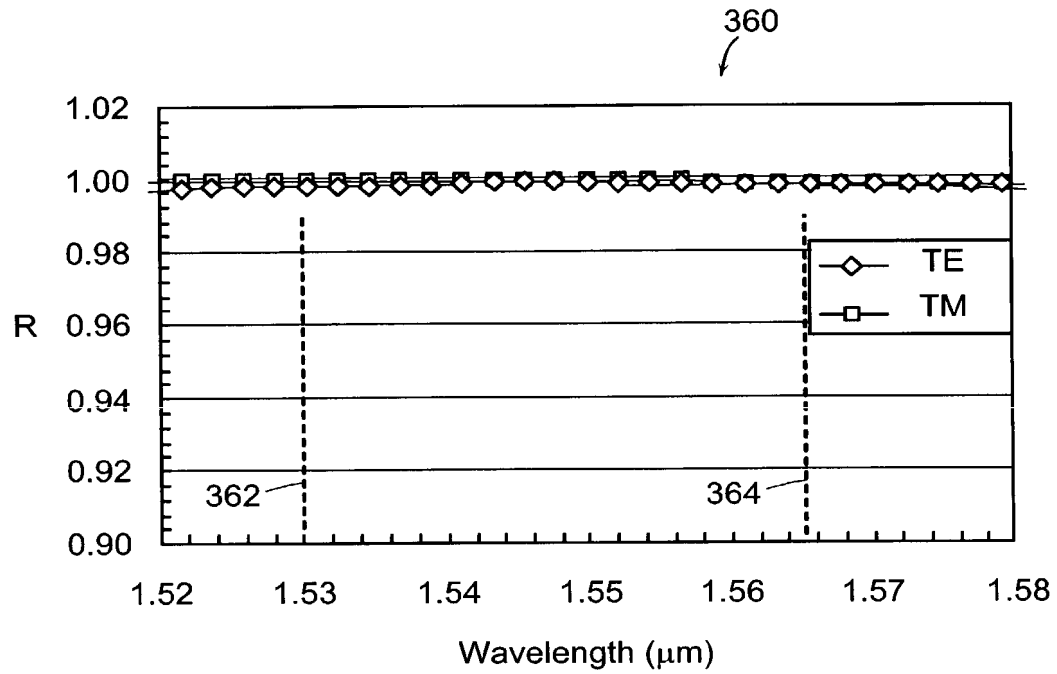


FIG. 23

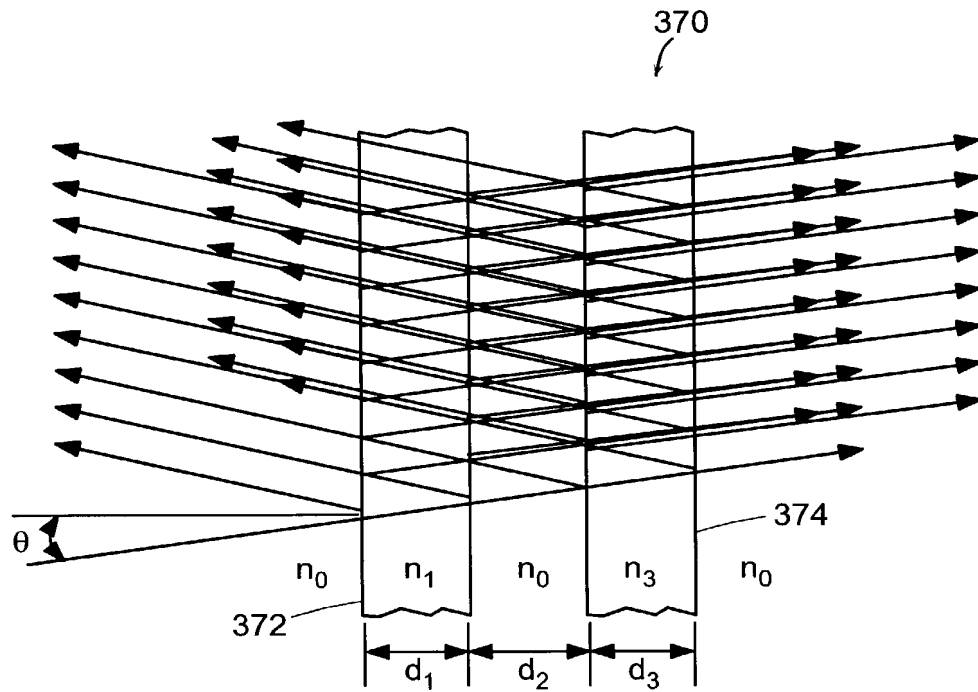


FIG. 24

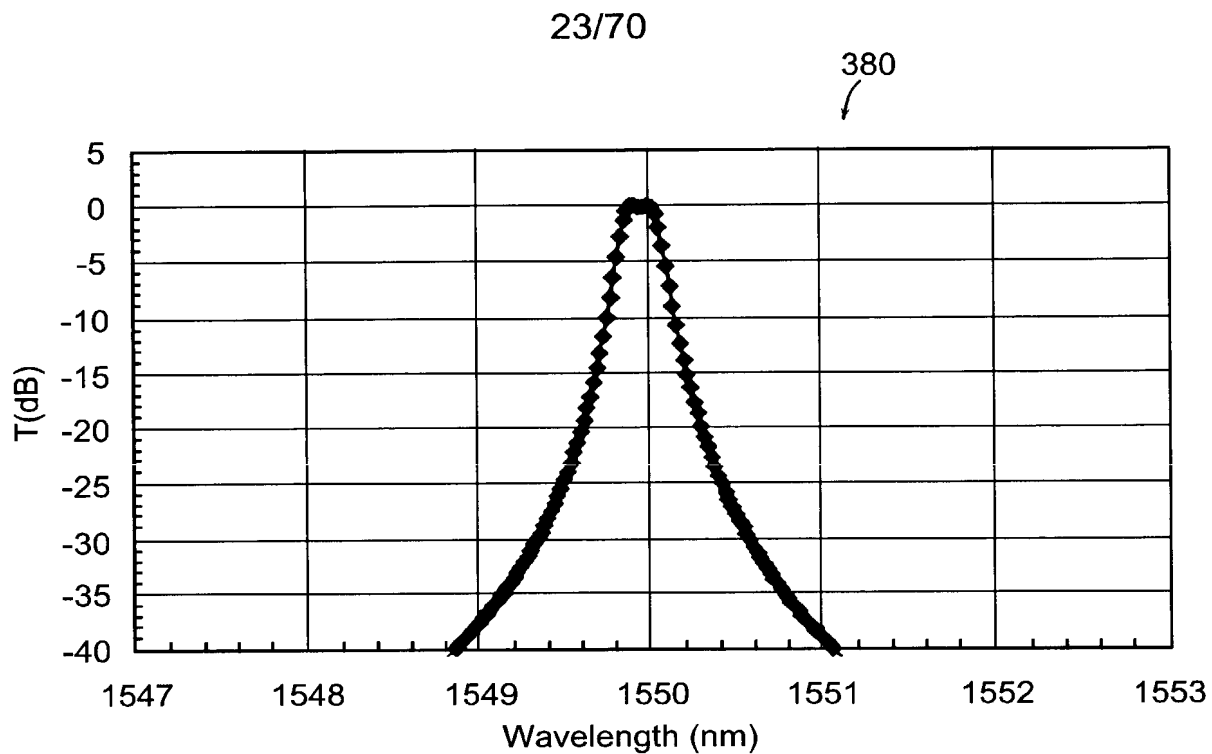


FIG. 25

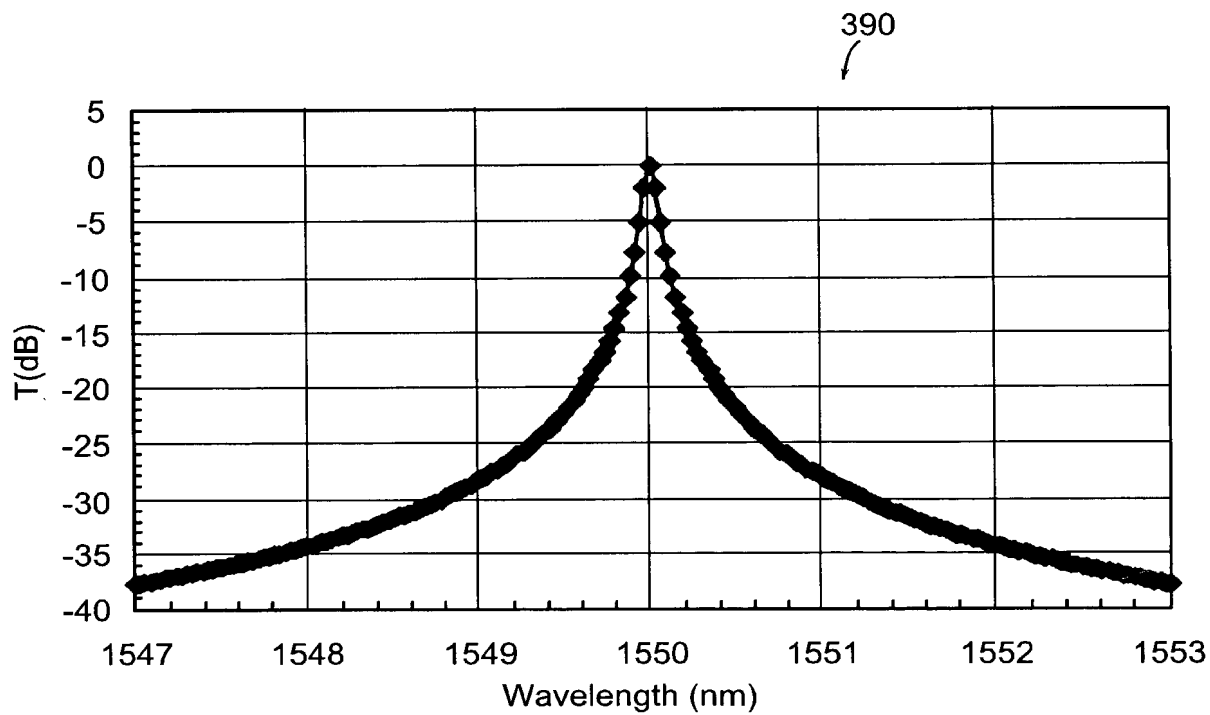


FIG. 26

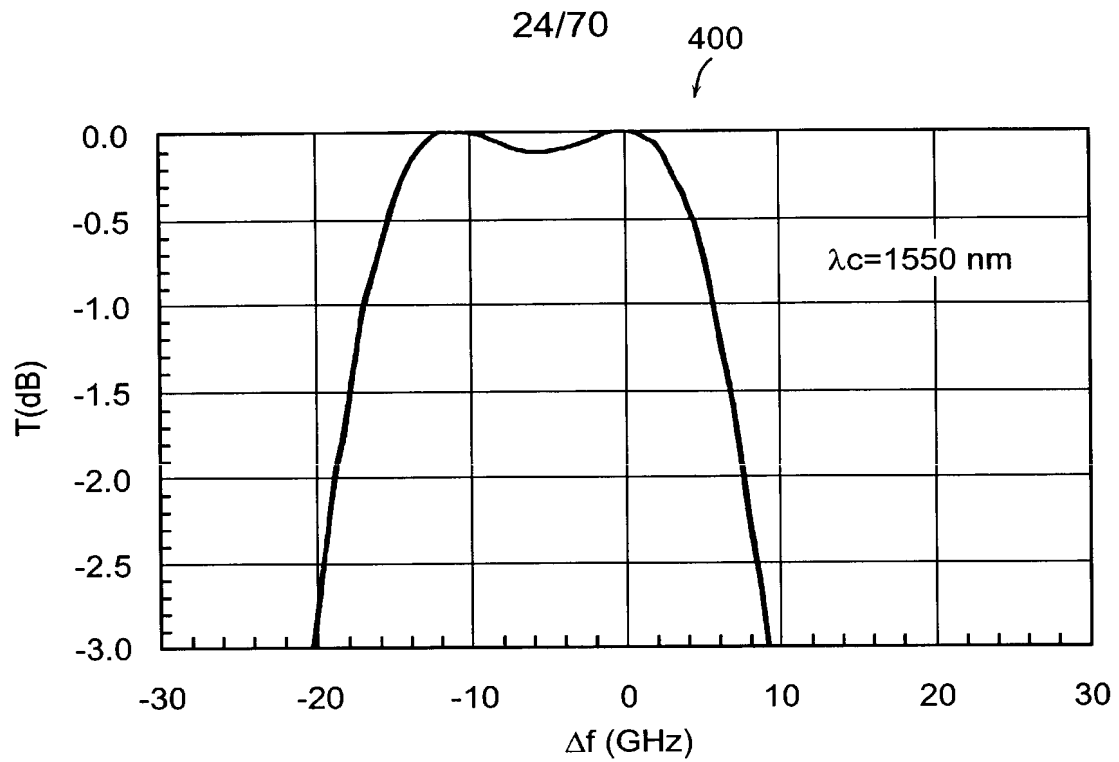


FIG. 27

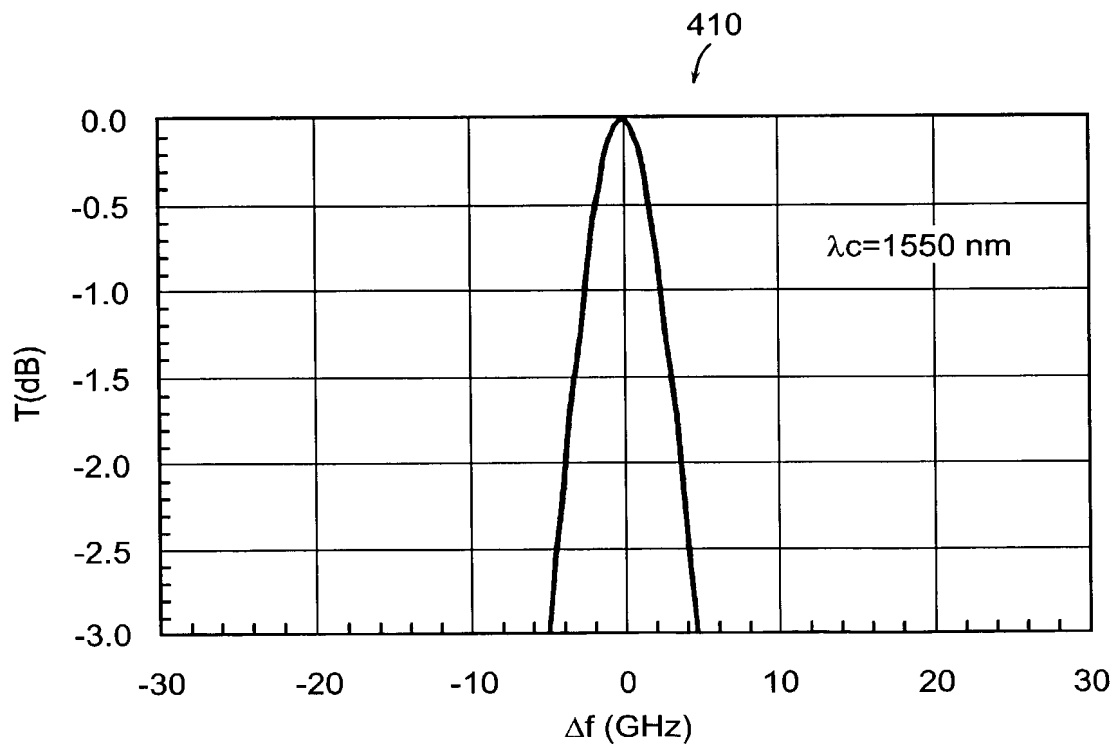


FIG. 28

25/70

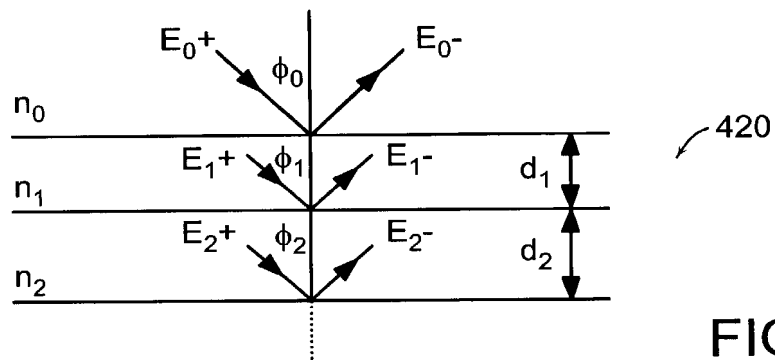


FIG. 29A

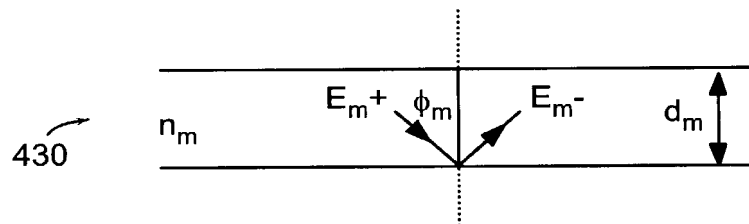


FIG. 29B

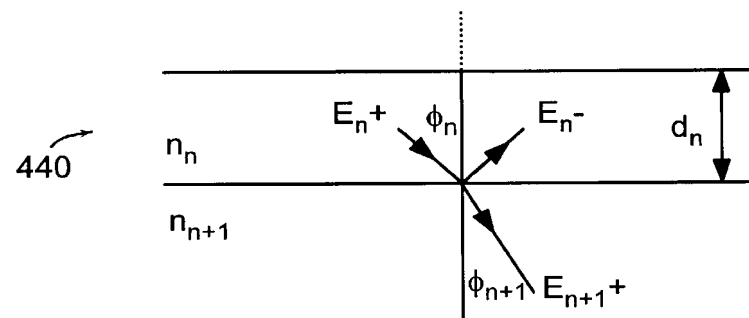


FIG. 29C

26/70

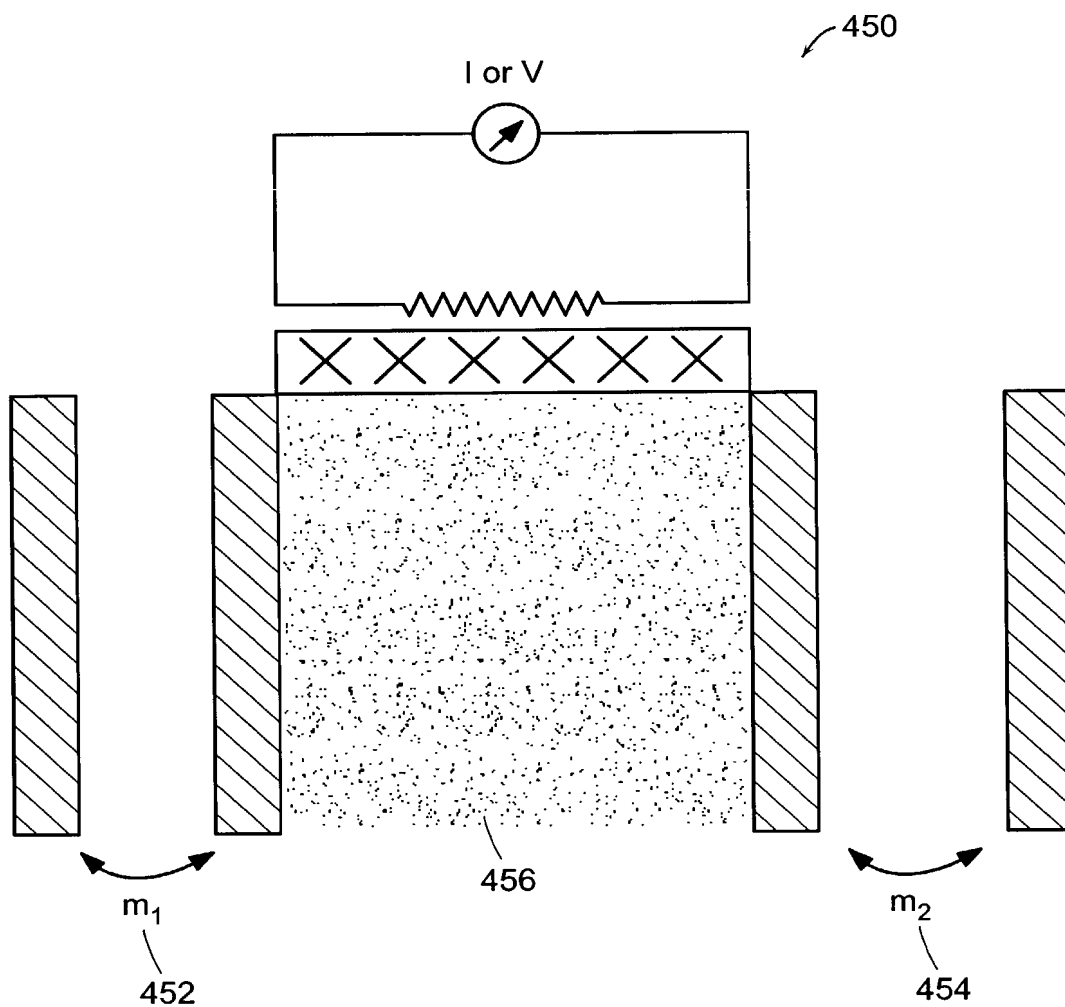


FIG. 30A

27/70

470

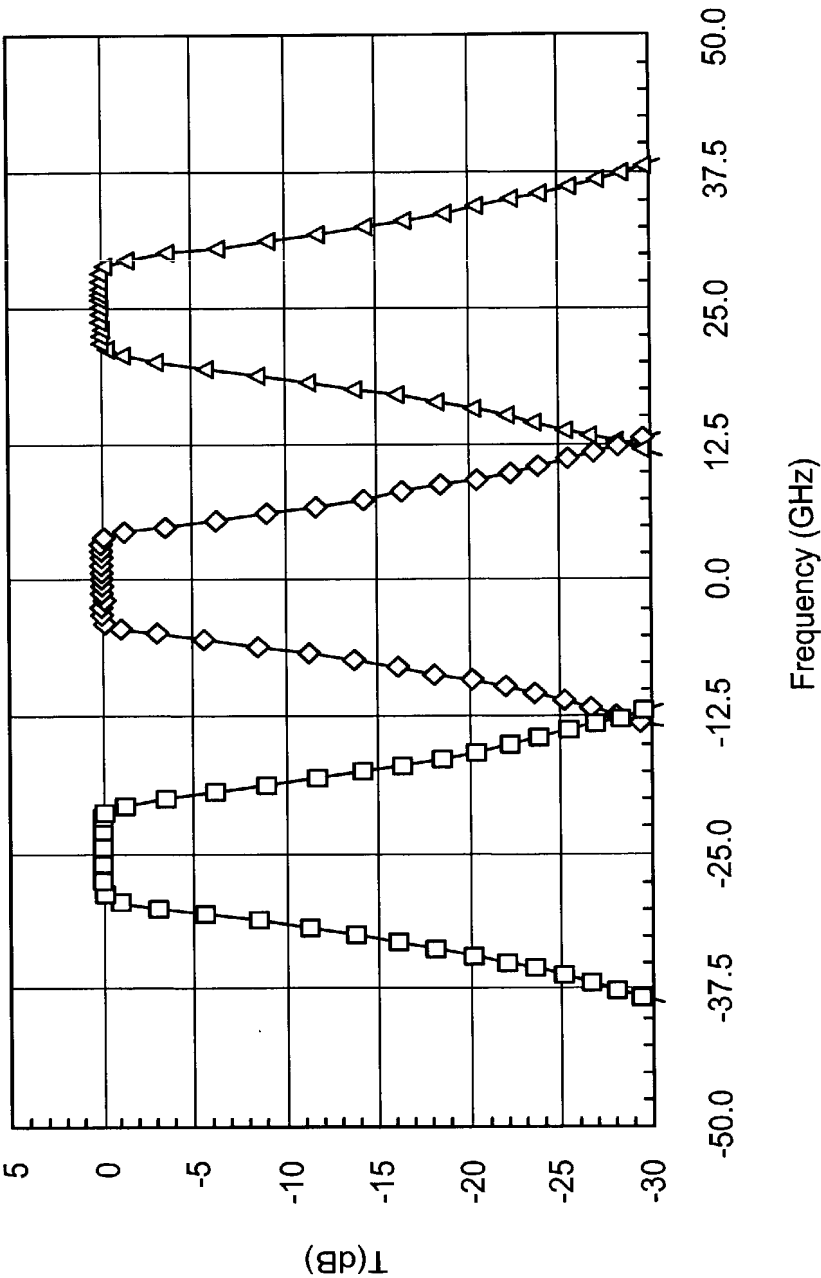


FIG. 30B

28/70

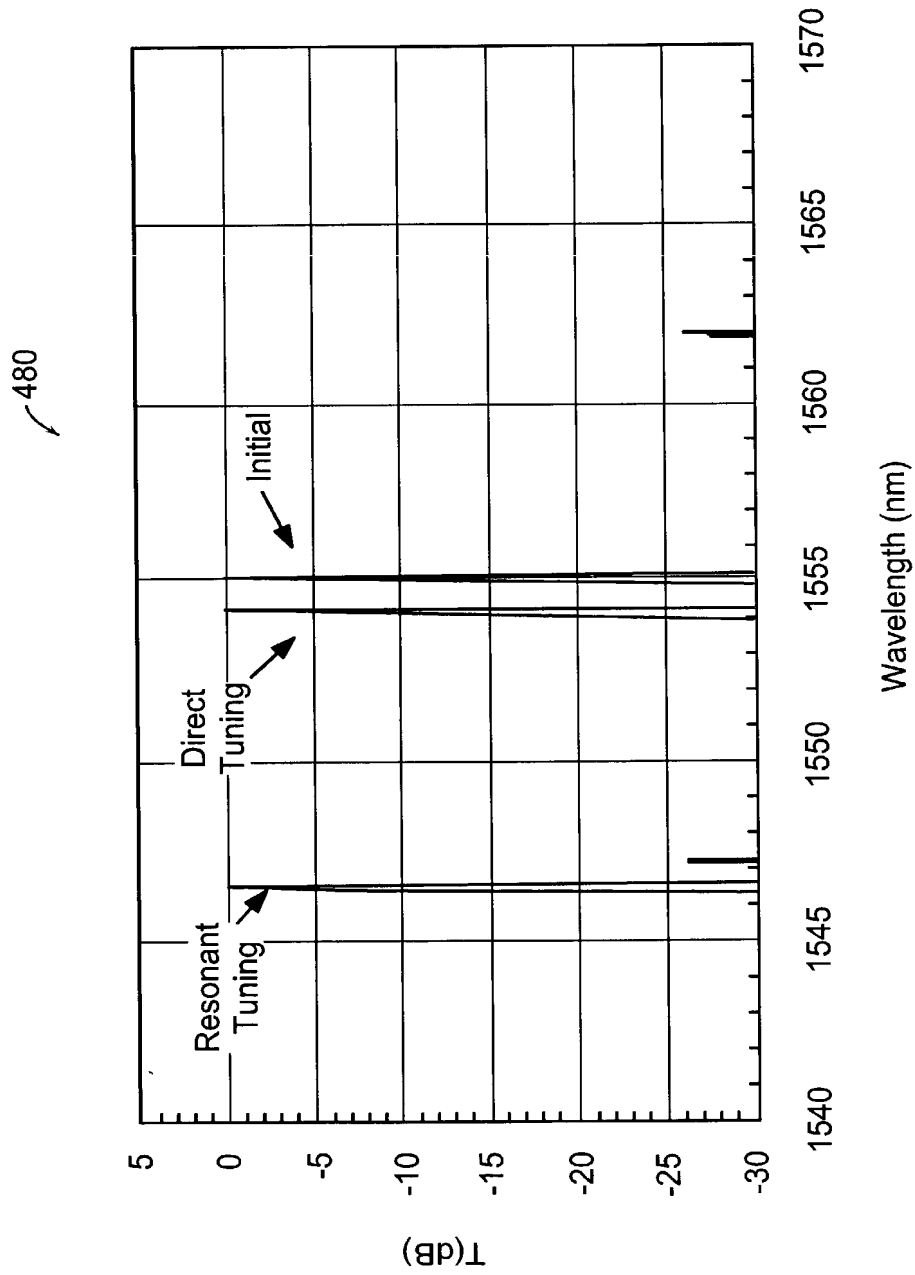


FIG. 31

29/70

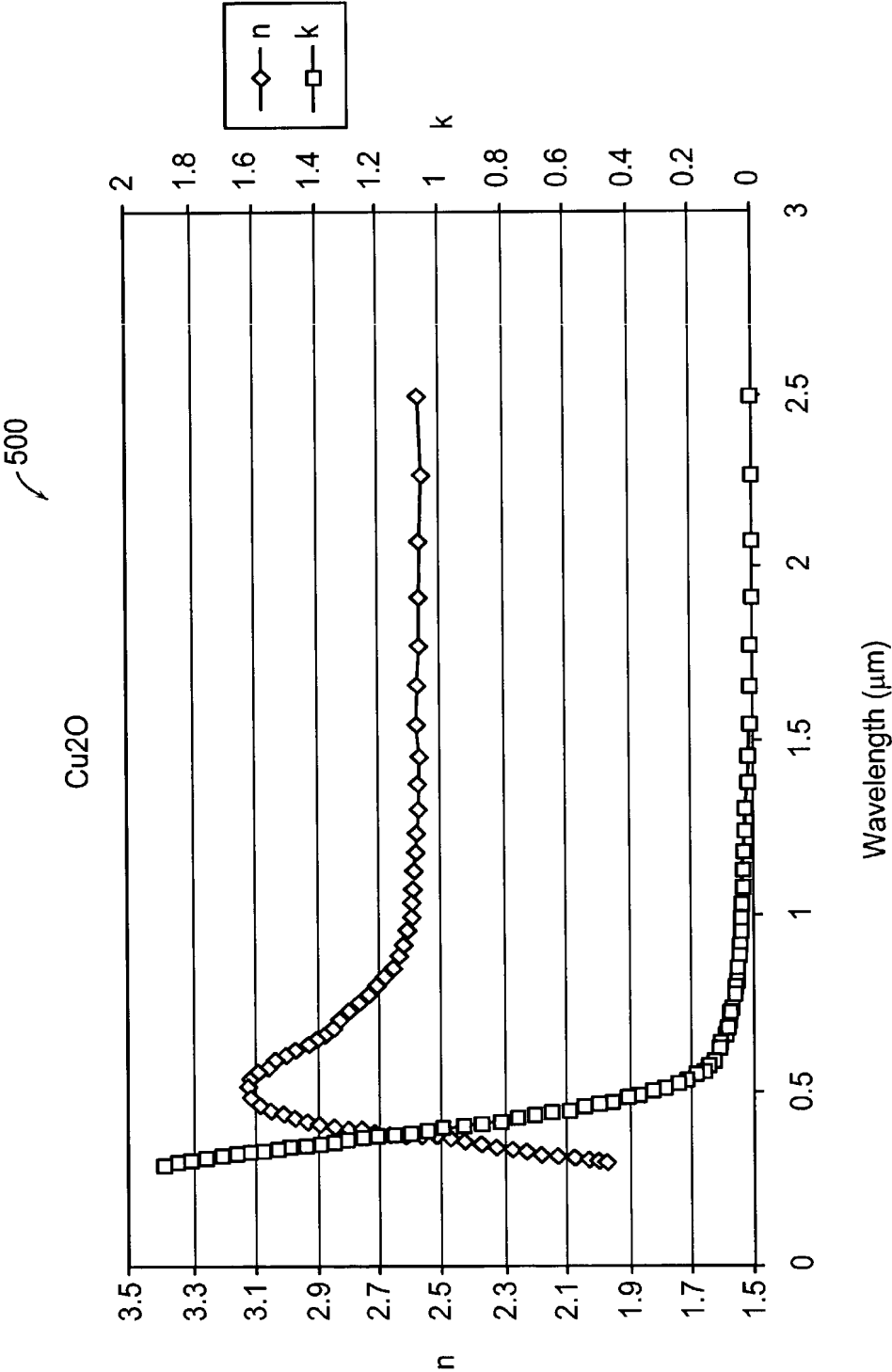


FIG. 32

30/70

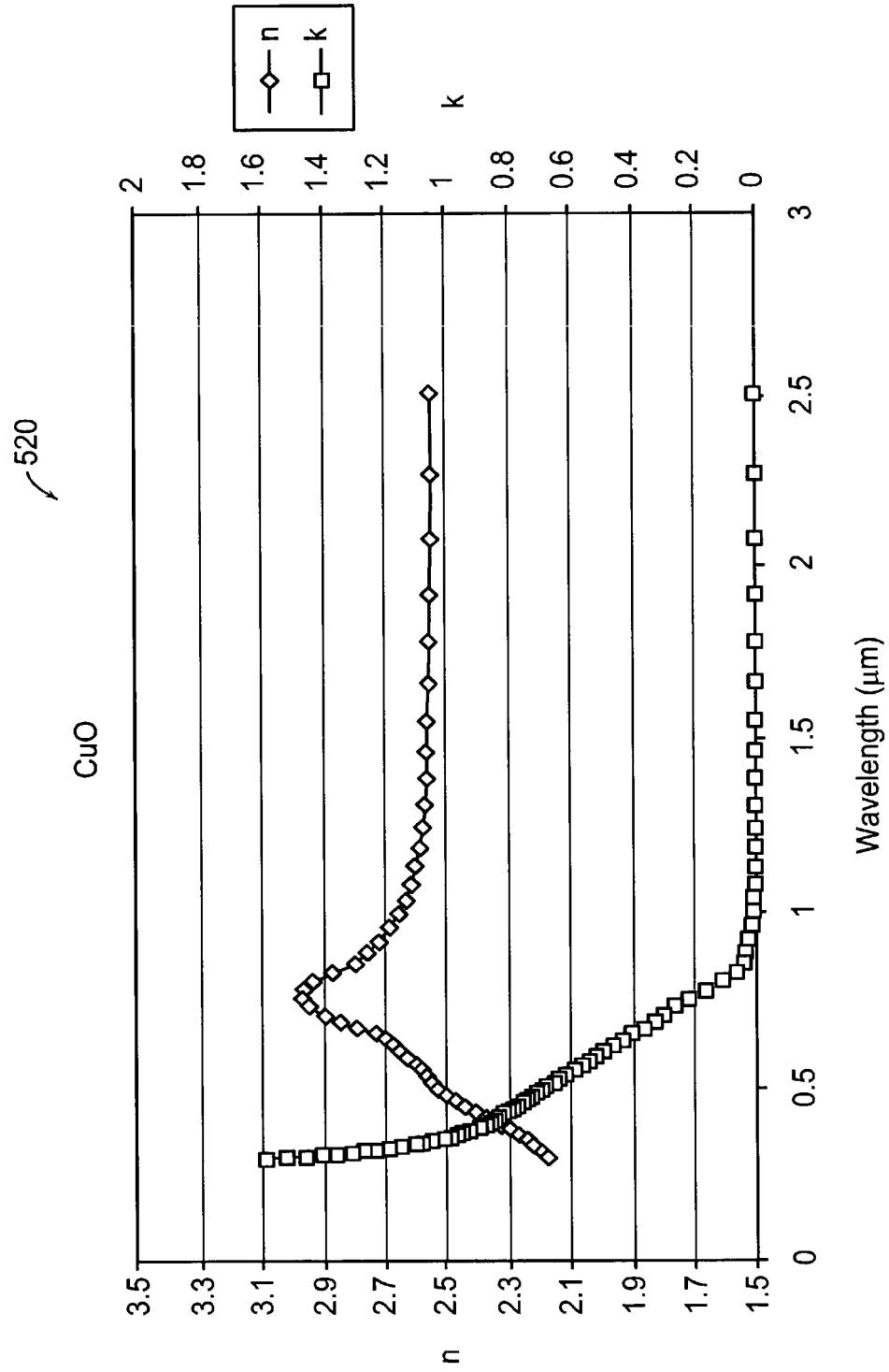


FIG. 33

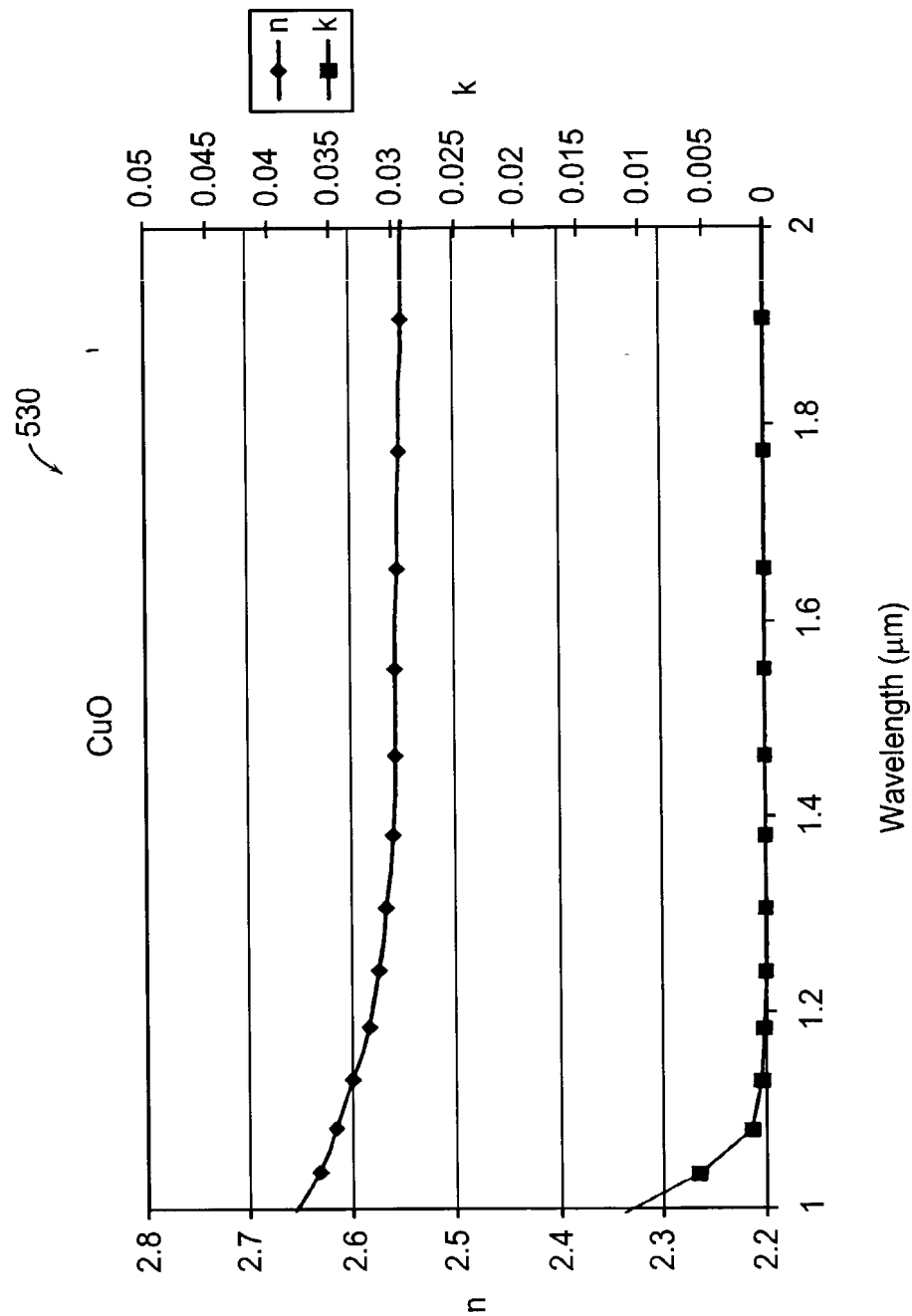


FIG. 34

32/70

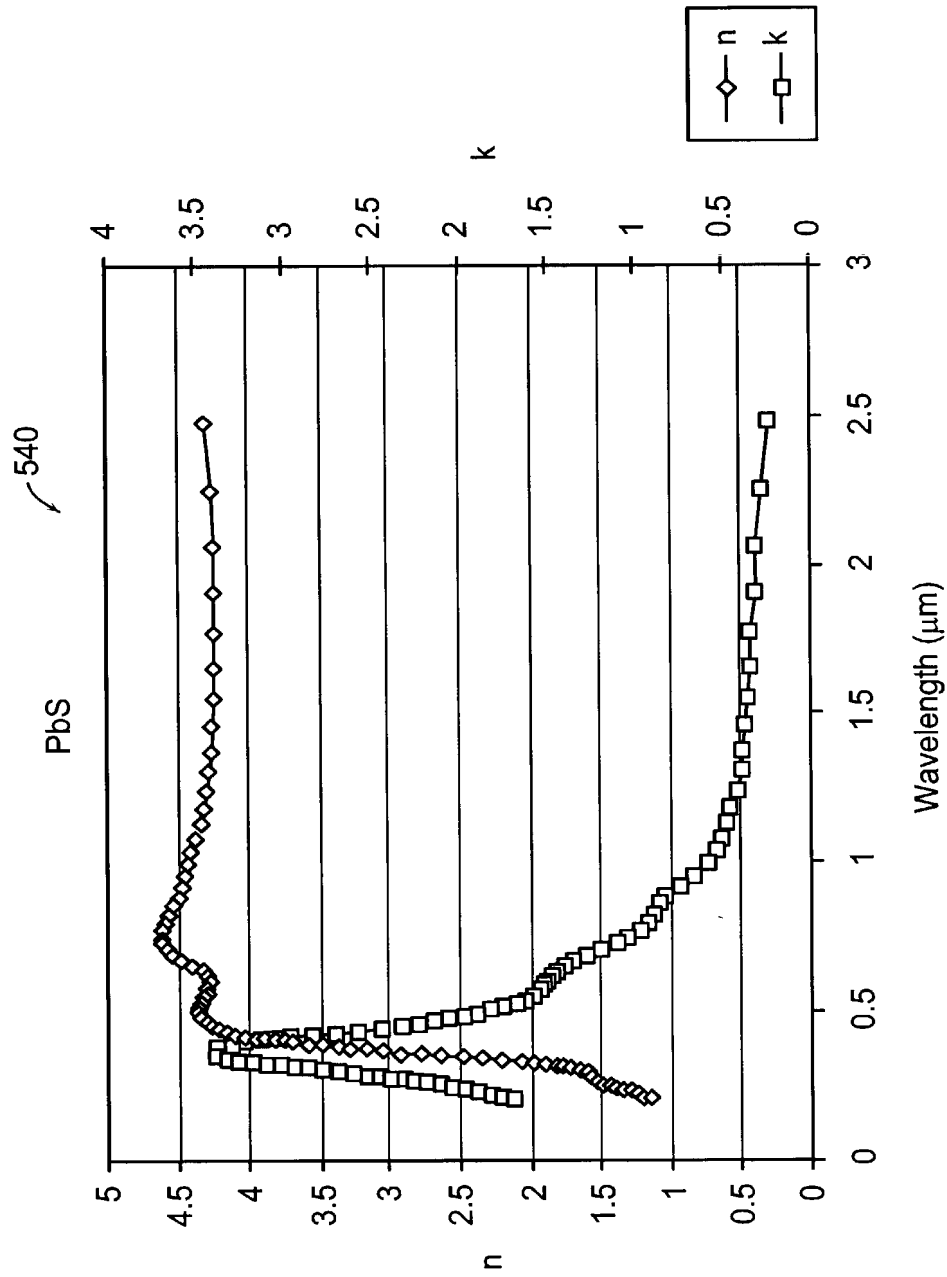


FIG. 35

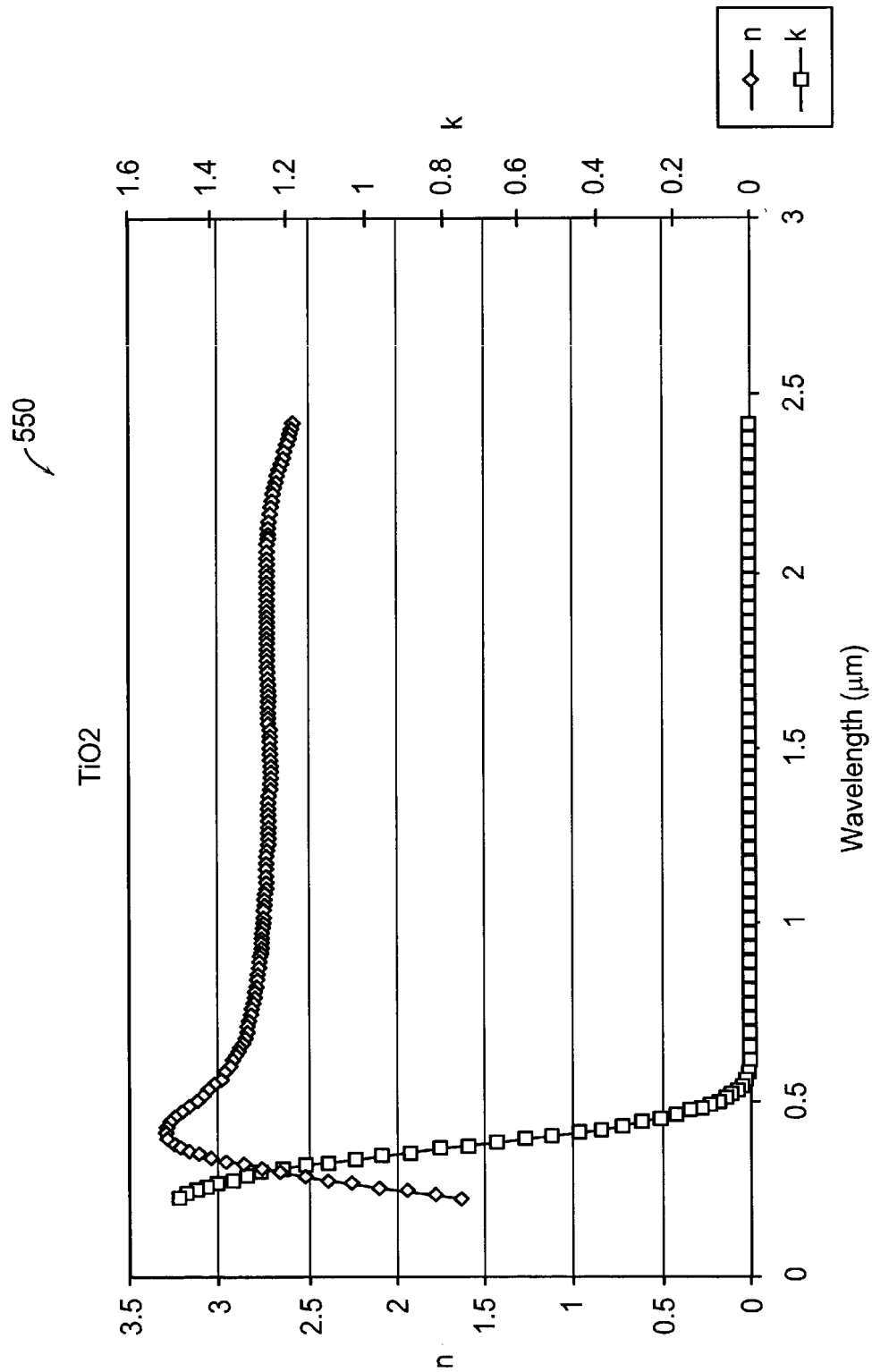


FIG. 36

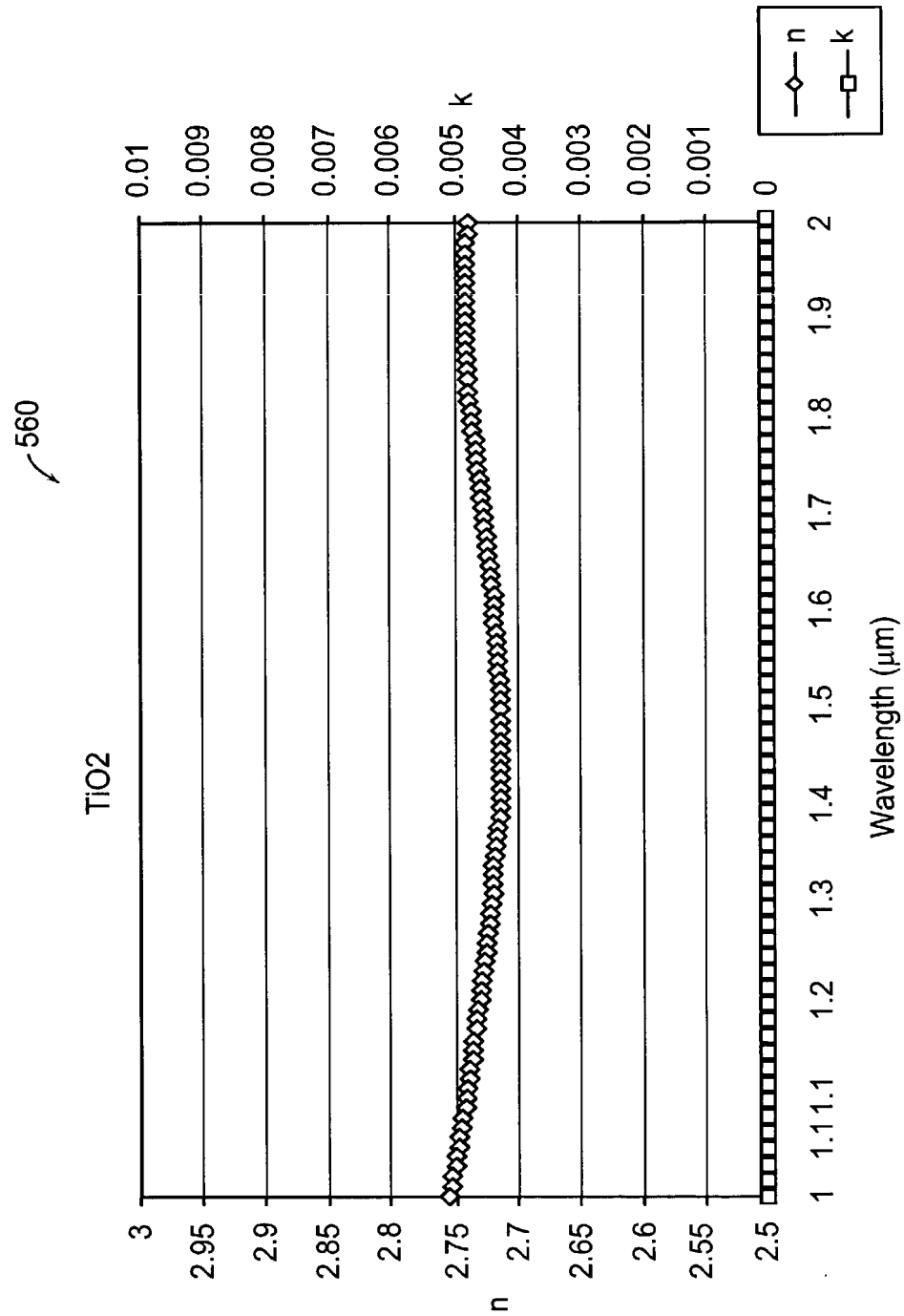


FIG. 37

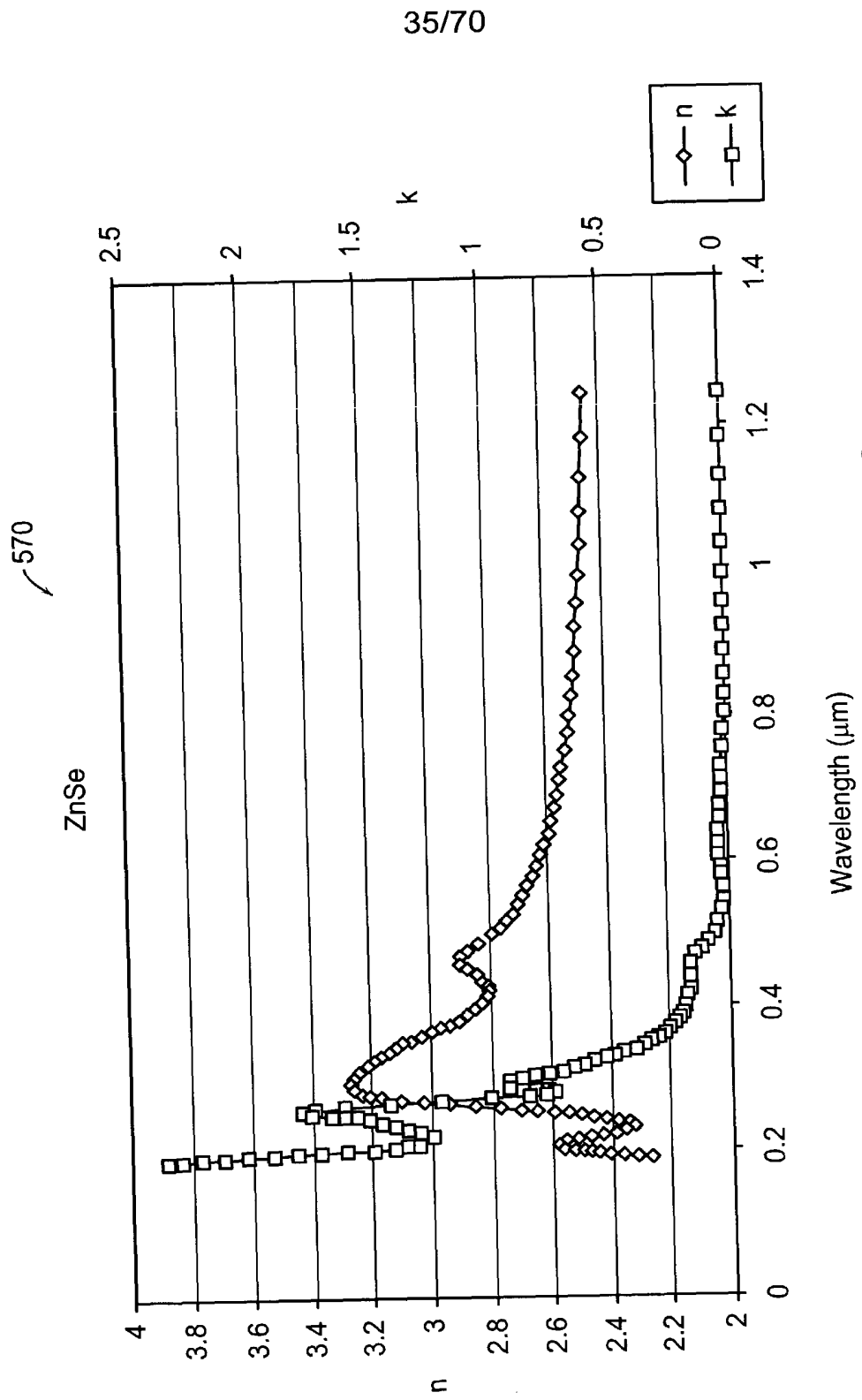


FIG. 38

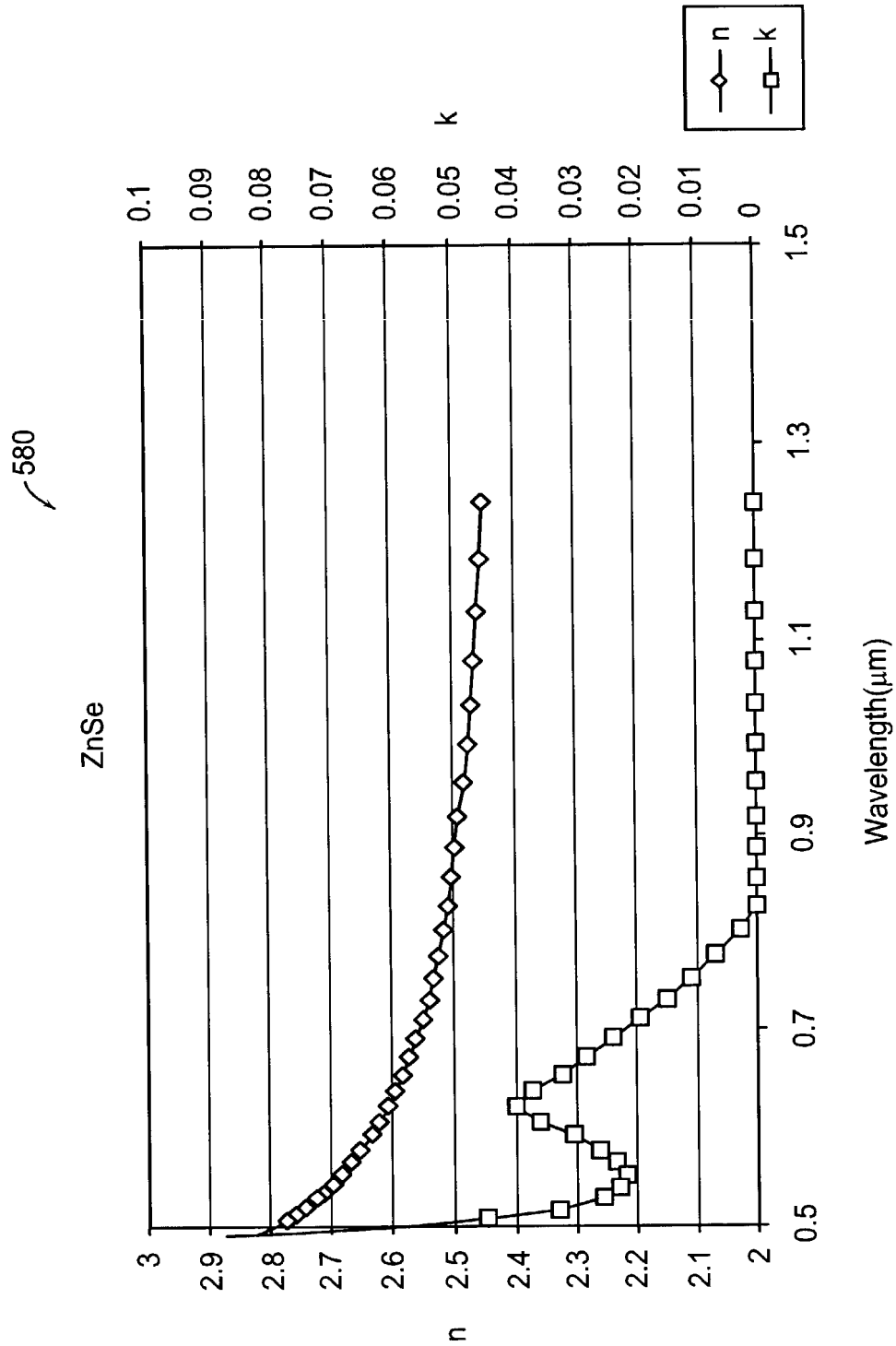


FIG. 39

37/70

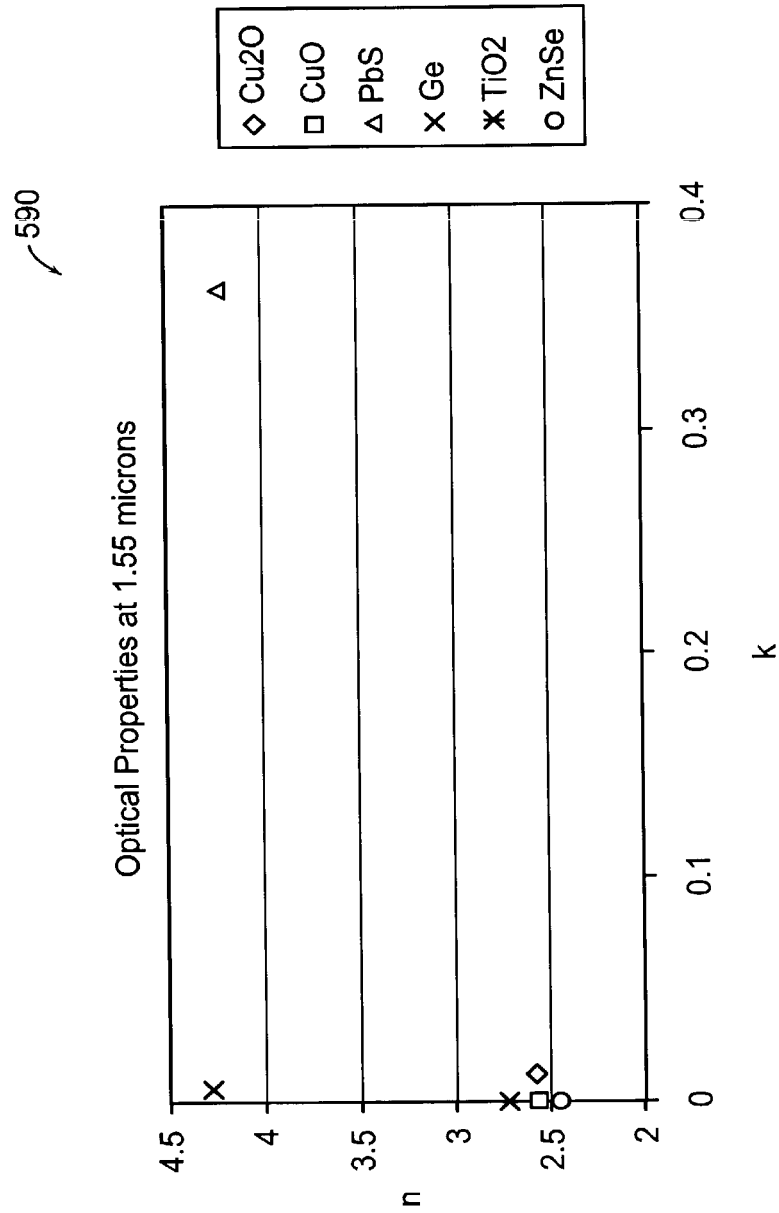


FIG. 40

38/70

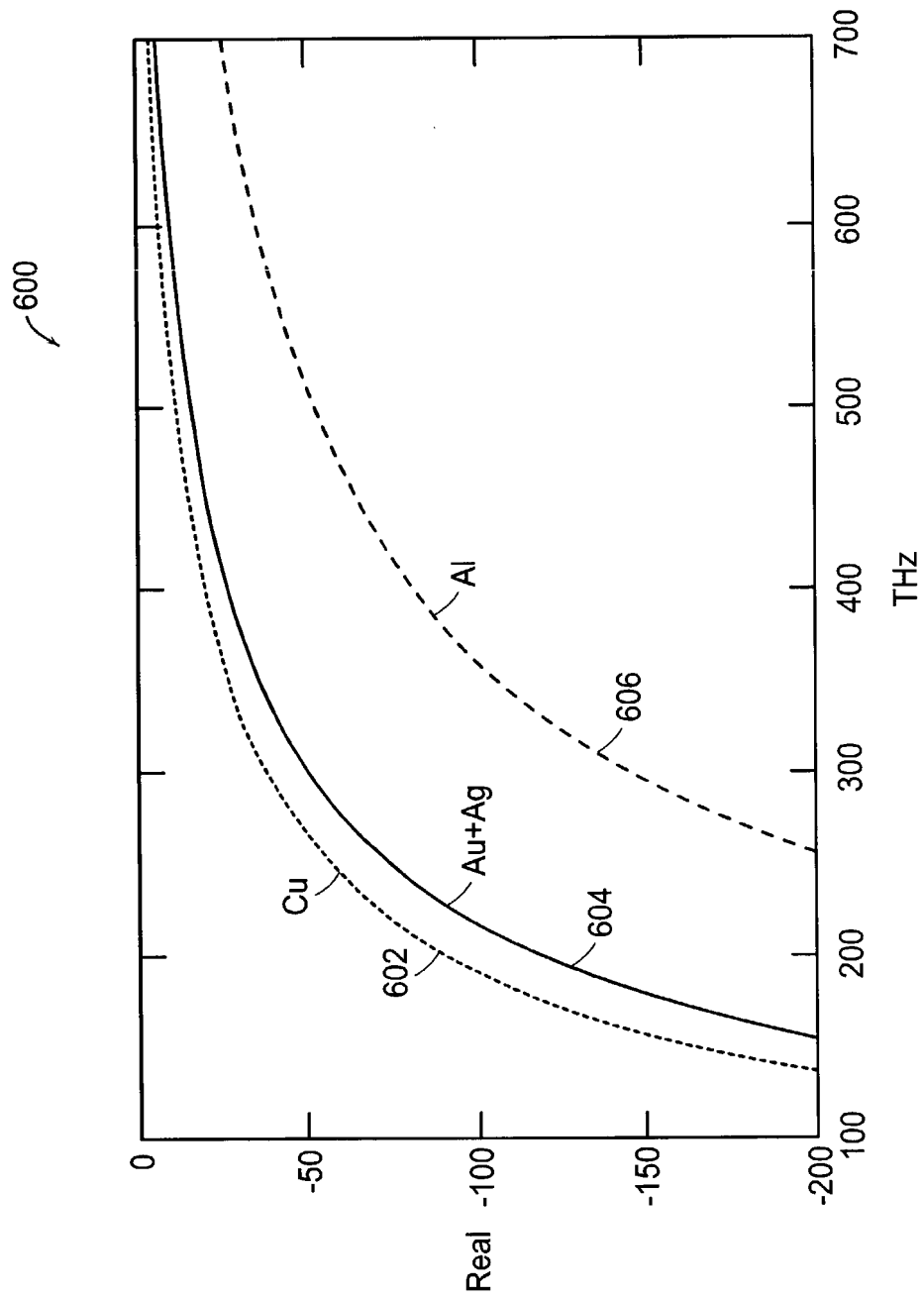
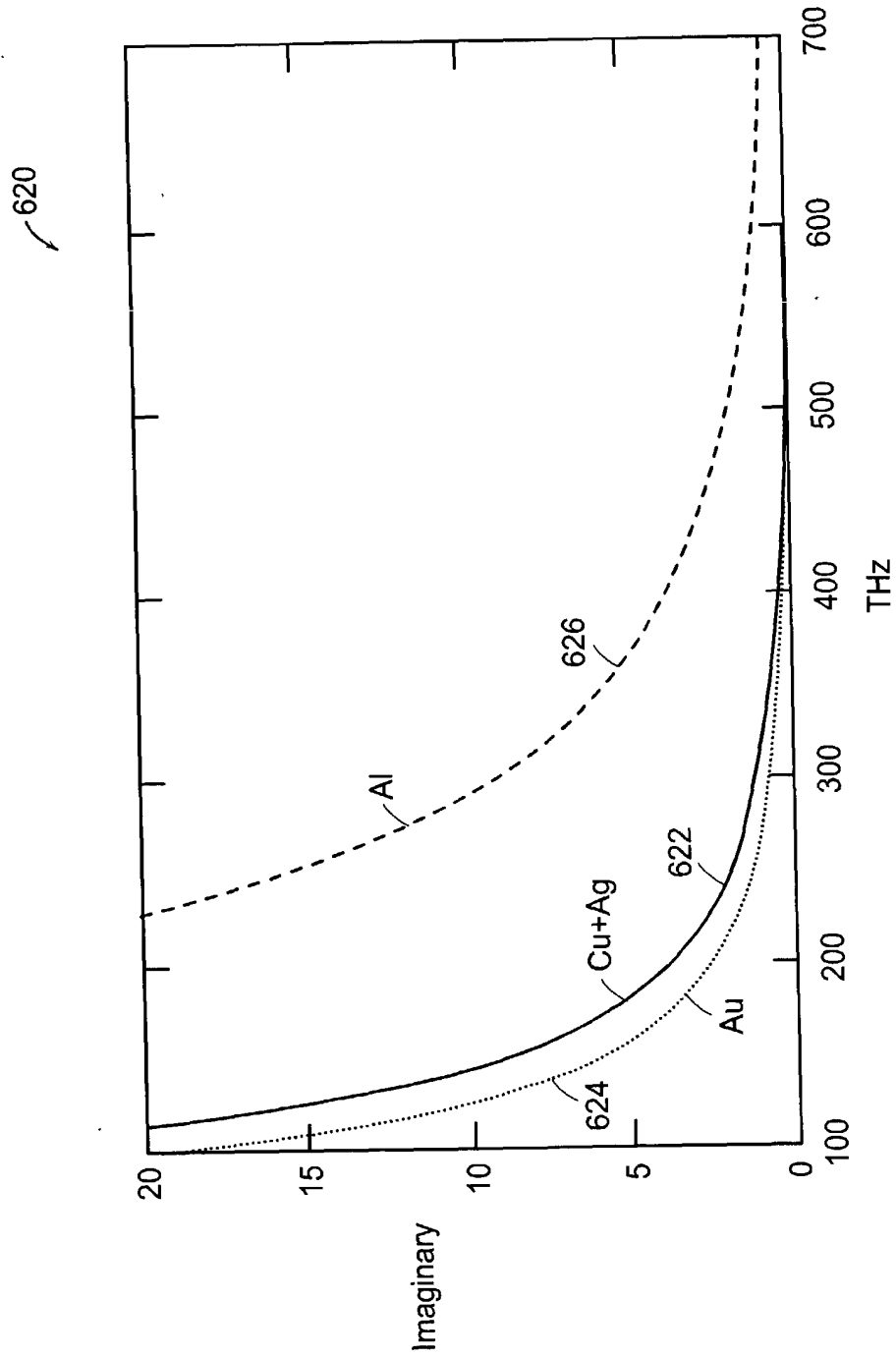


FIG. 41A

Docket No. 301541.3000-100
 Title: Systems and Methods...Circuit Devices
 Inventors: Jack P. Salerno et al.

39/70



40/70

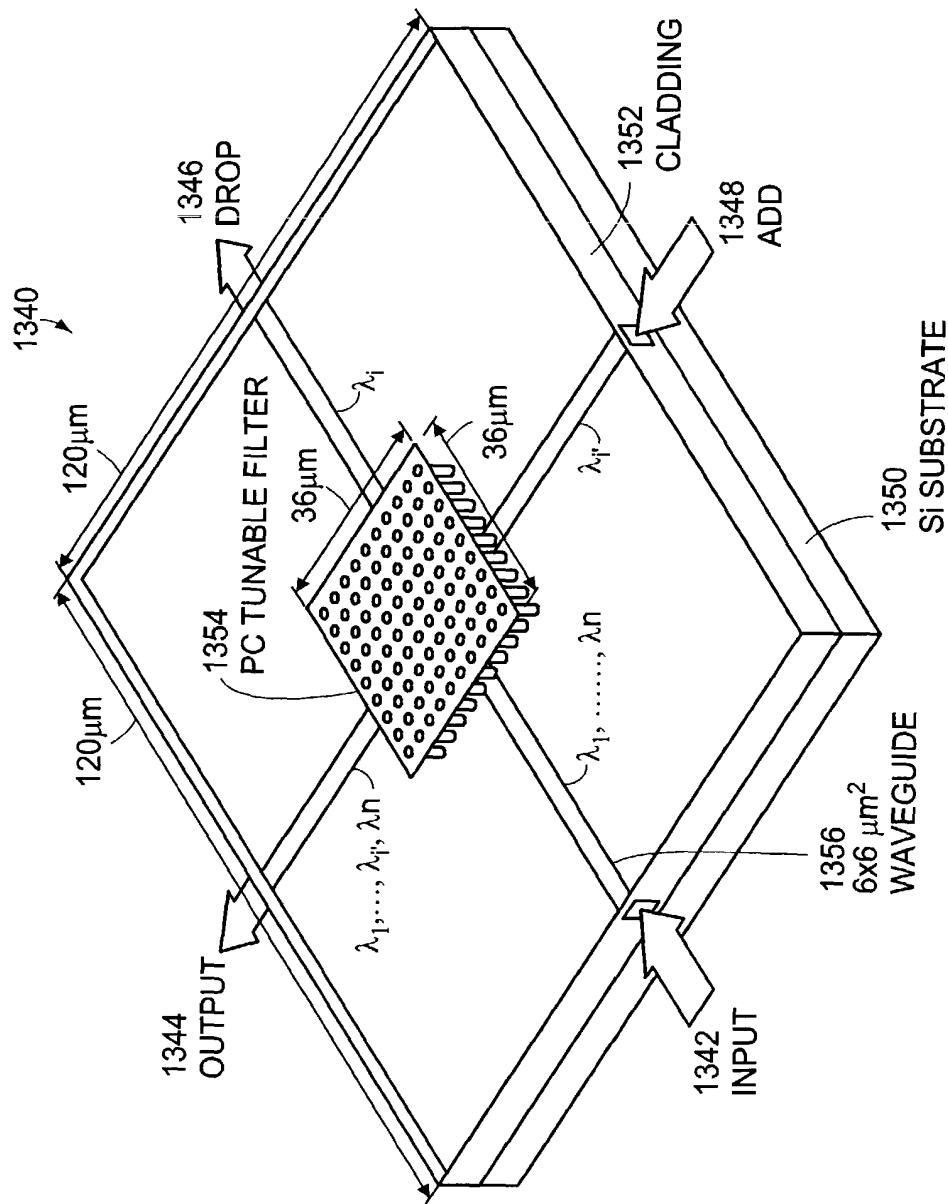


FIG. 42A

41/70

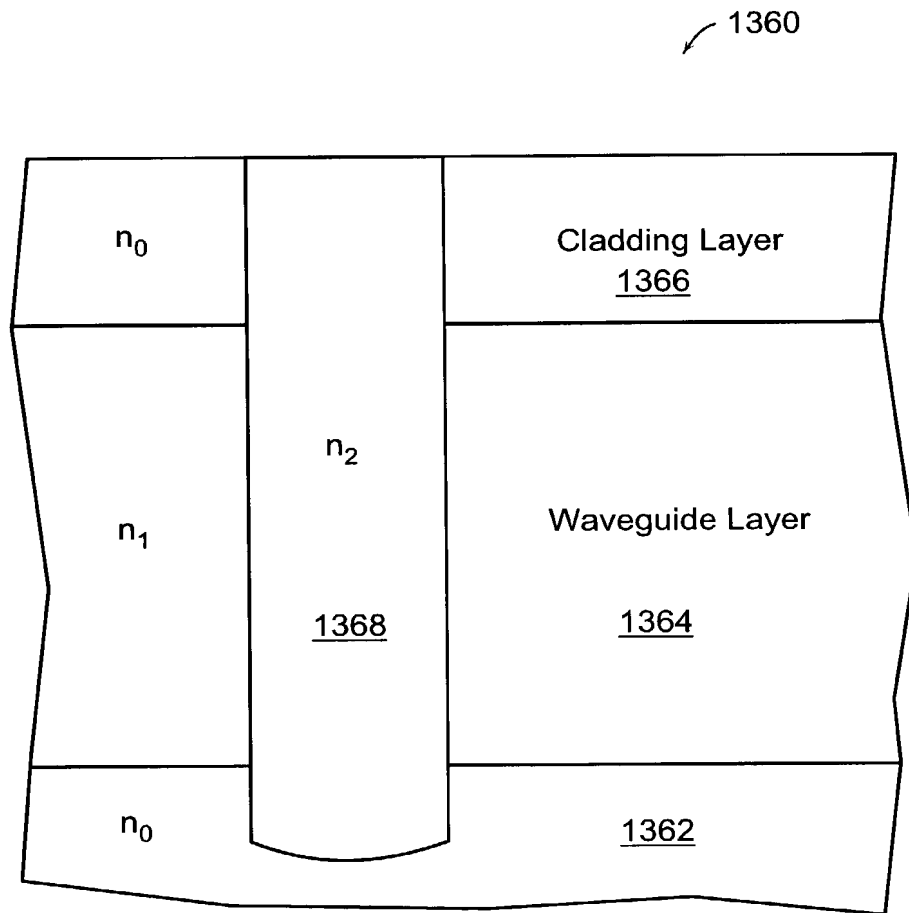


FIG. 42B

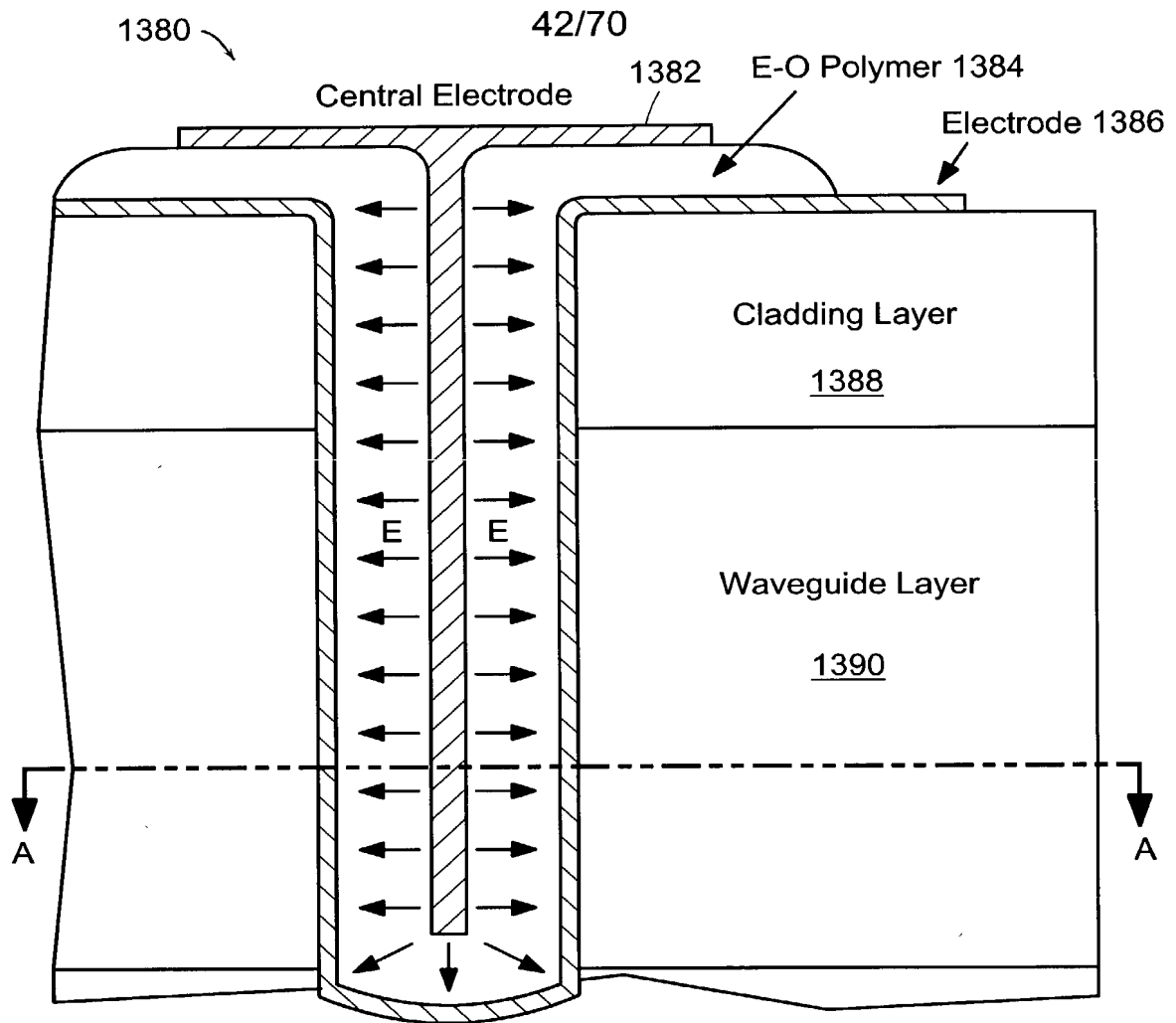


FIG. 42C

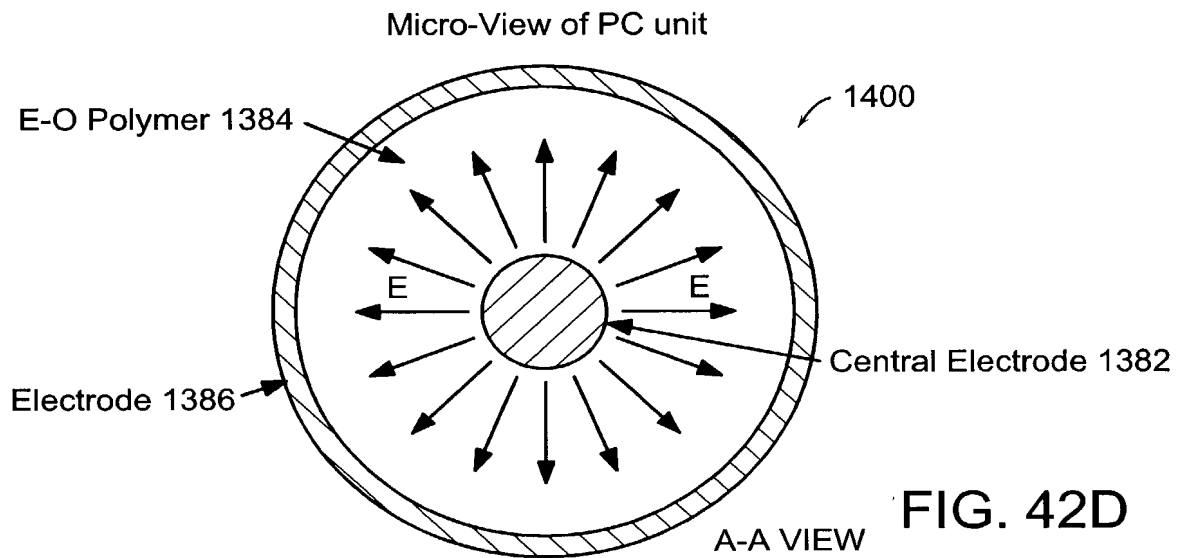
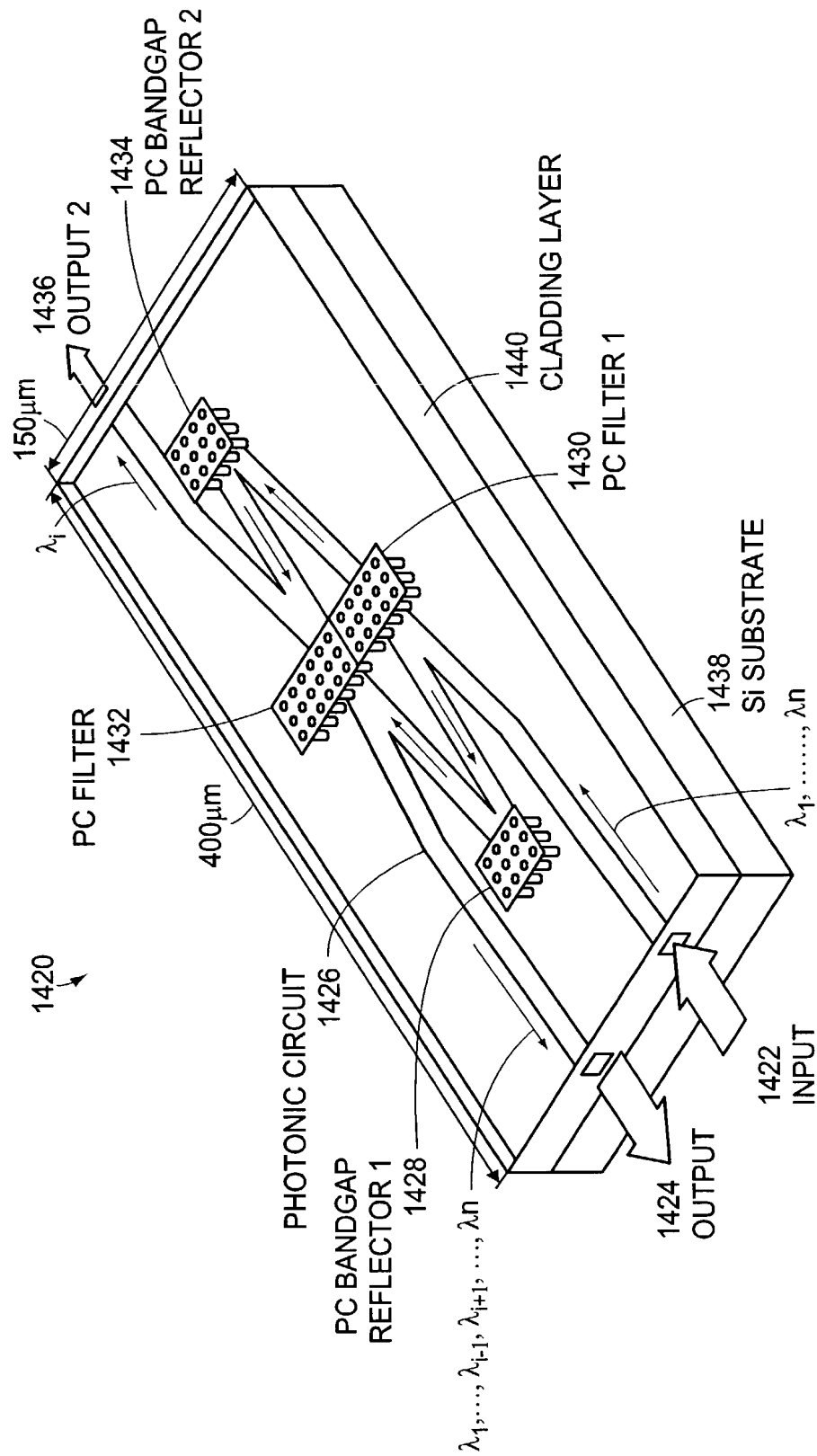


FIG. 42D



TURNTABLE FILTER USING 2D-PC

FIG. 43A

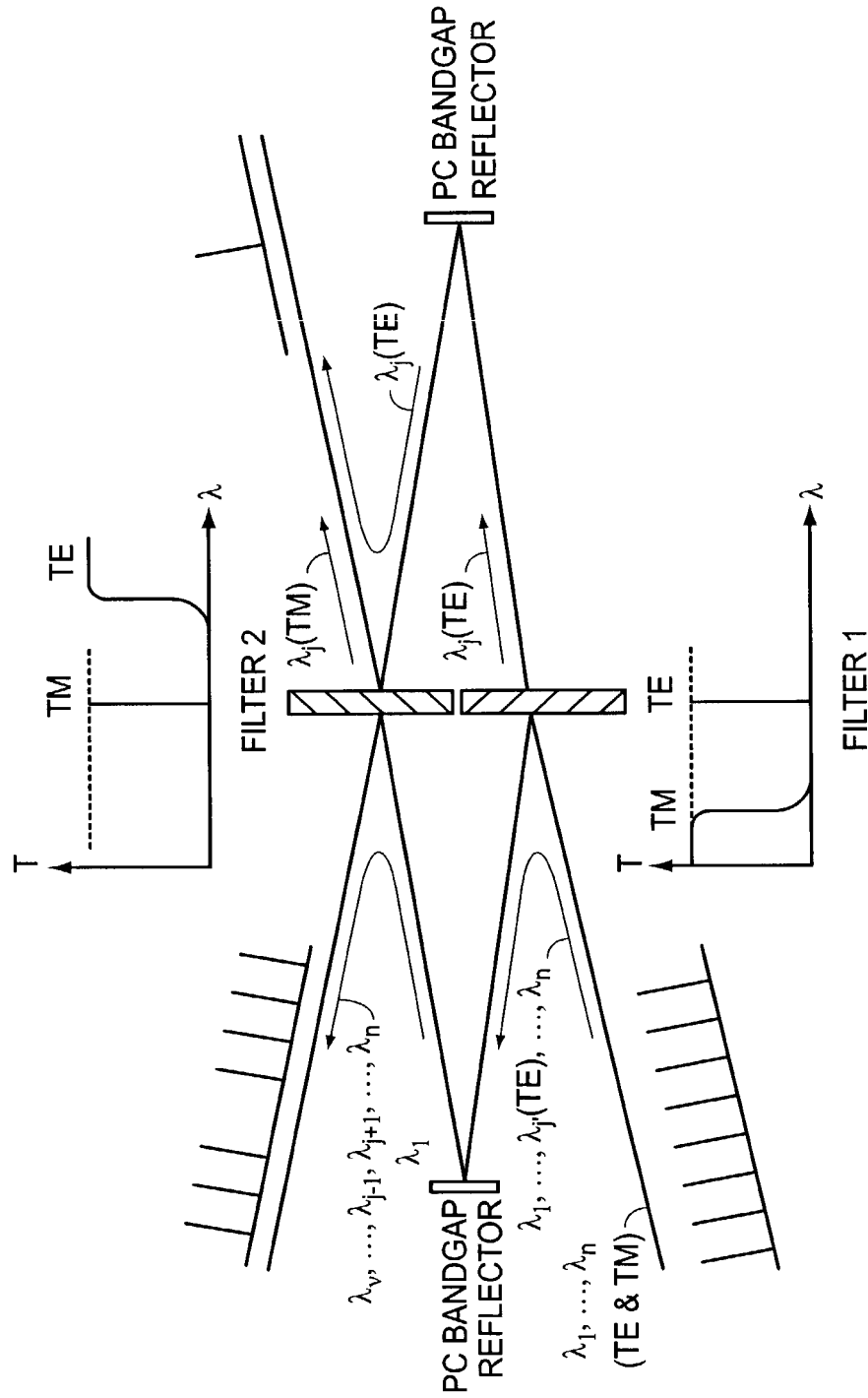
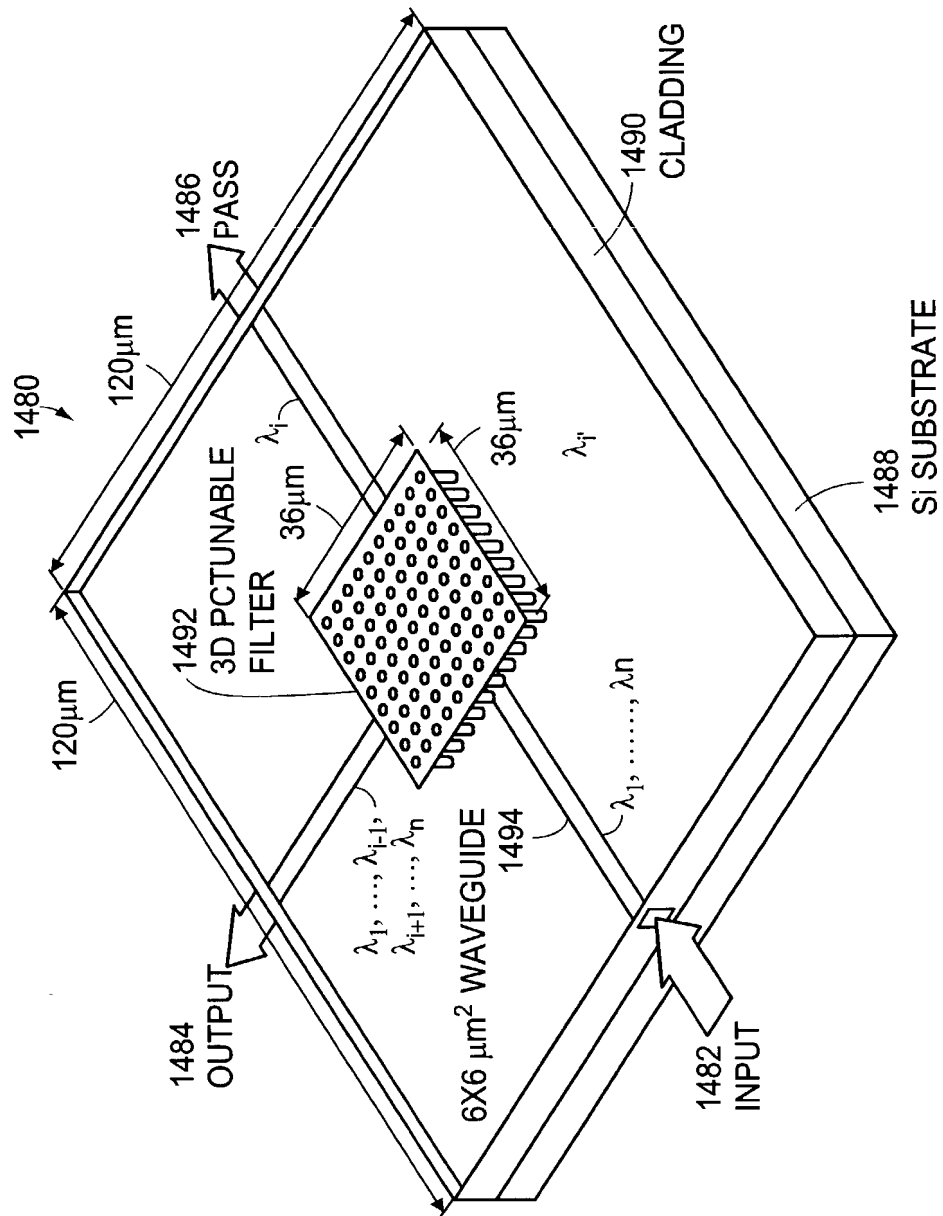


FIG. 43B

45/70



3D PC-TUNABLE FILTER

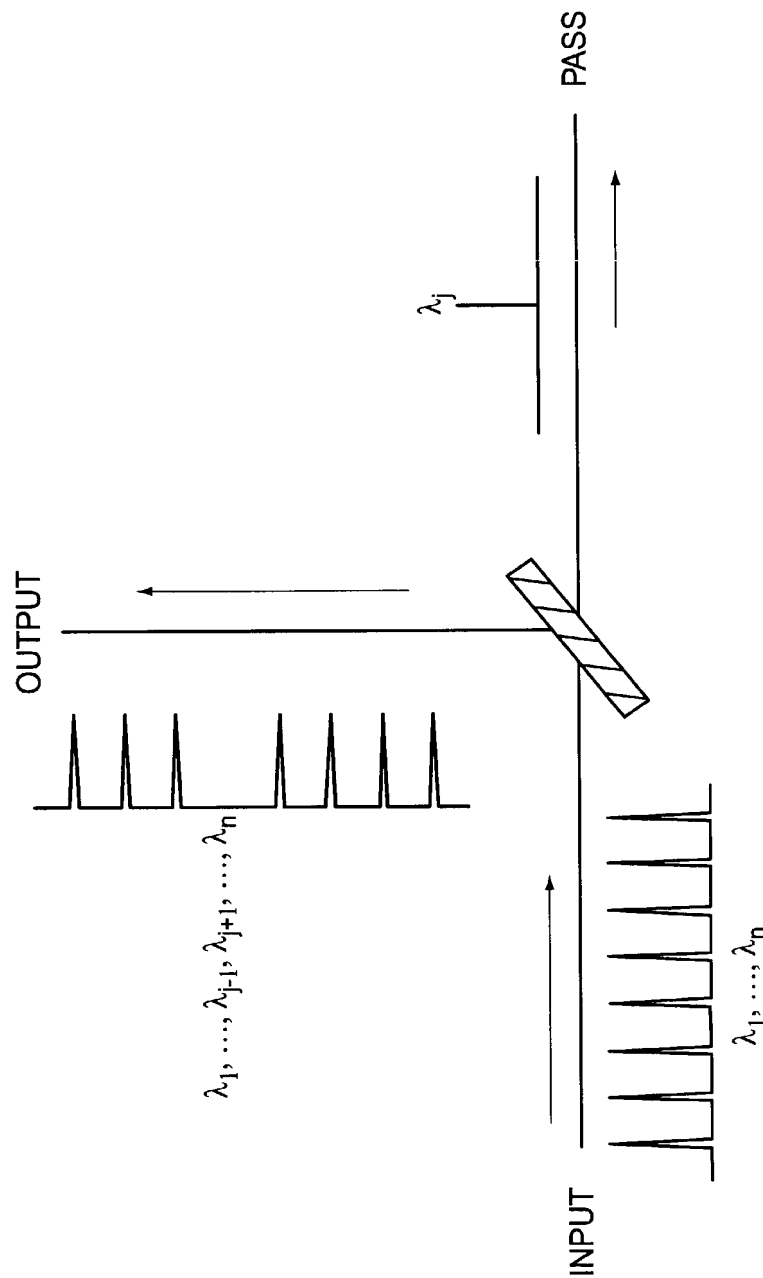


FIG. 44B

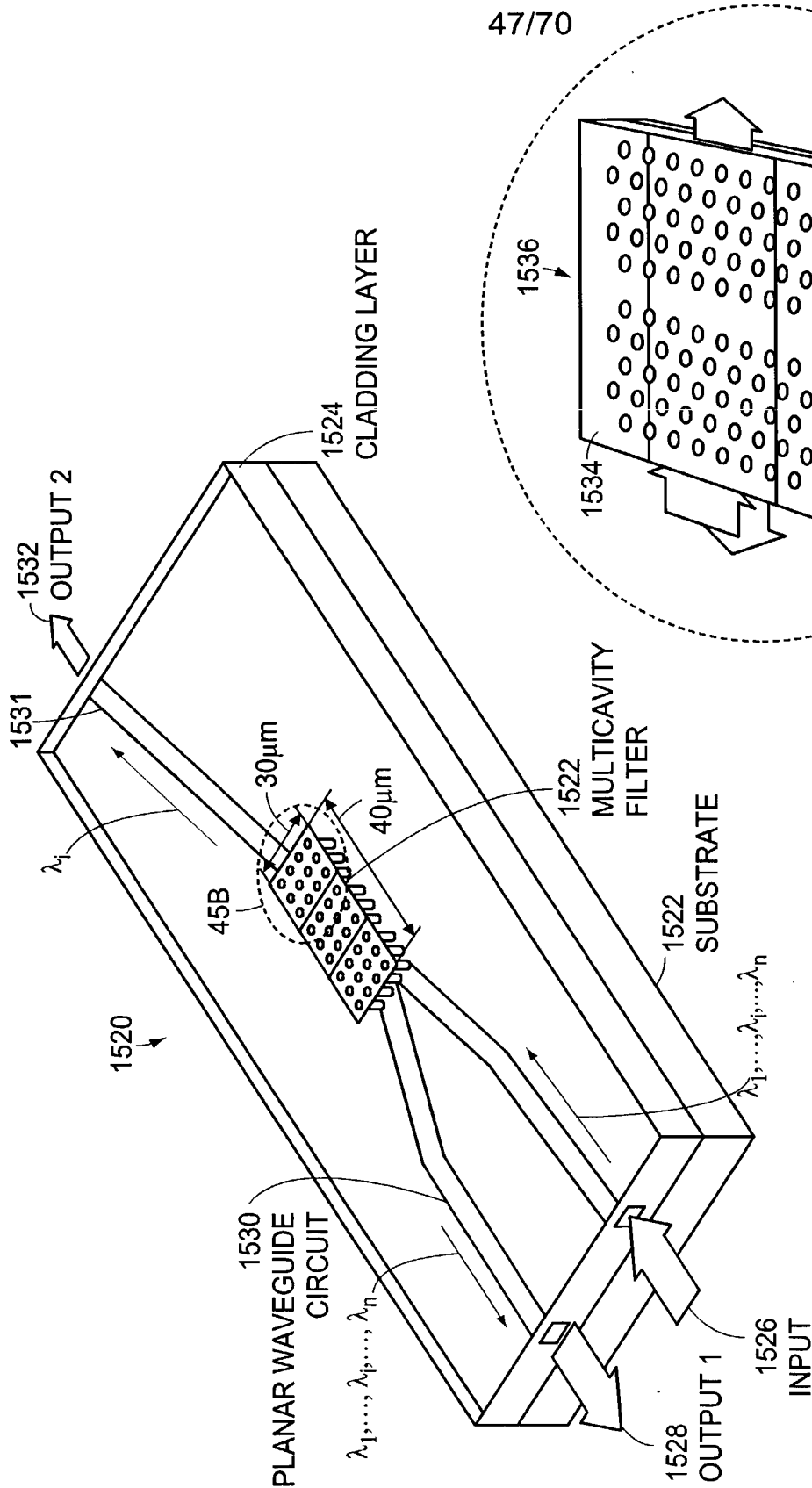


FIG. 45A

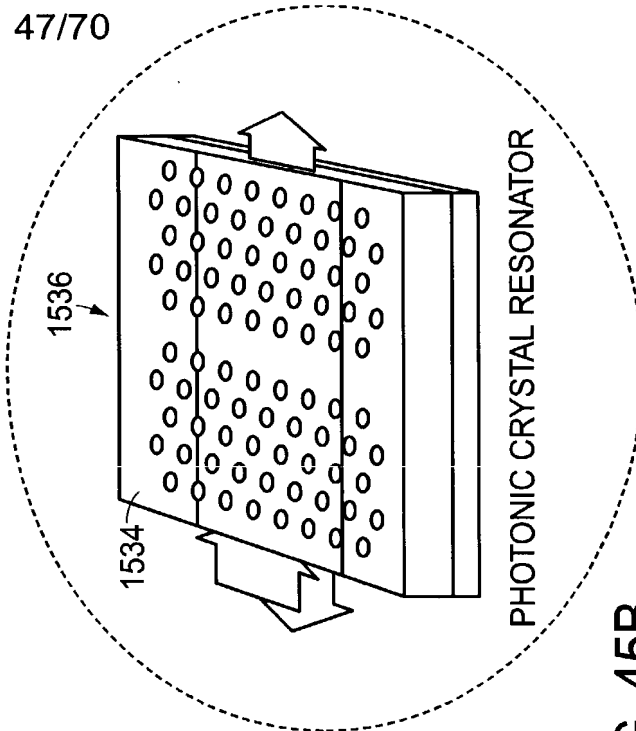


FIG. 45B

48/70

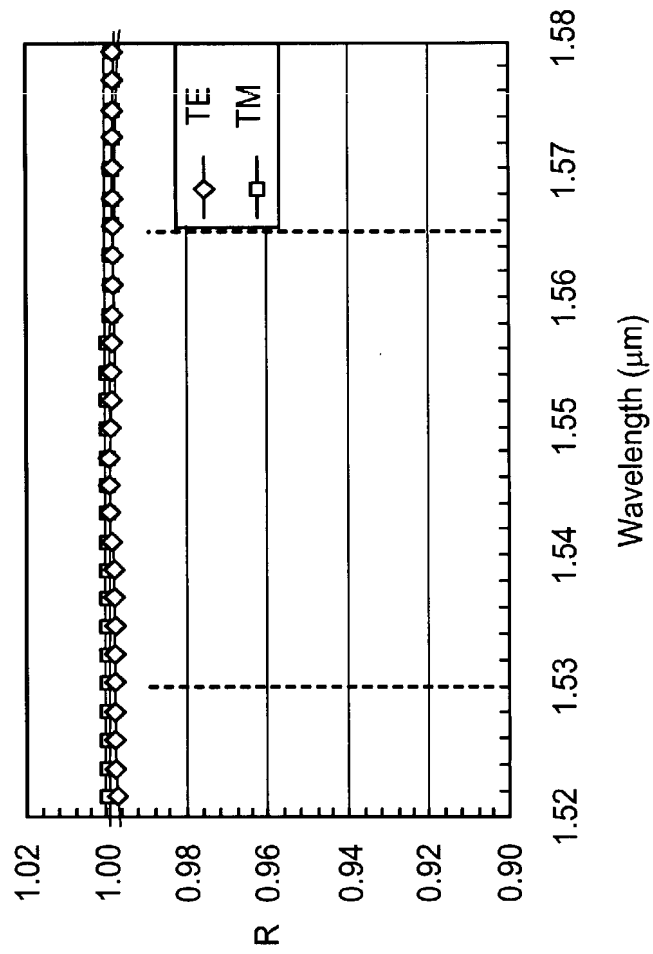


FIG. 45C

Docket No. 301541.3000-100
 Title: Systems and Methods...Circuit Devices
 Inventors: Jack P. Salerno et al.

49/70

1540

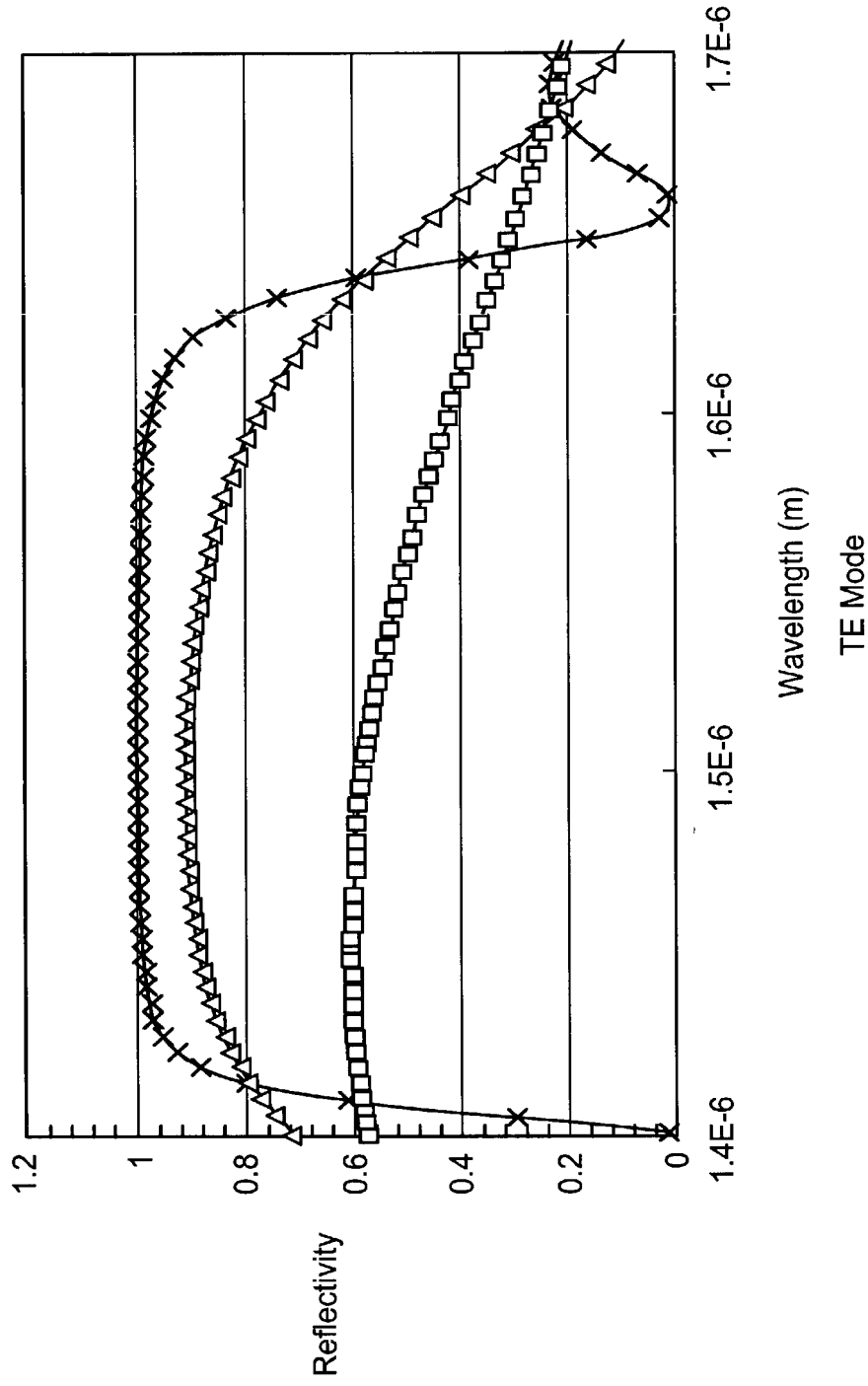


FIG. 46A

50/70

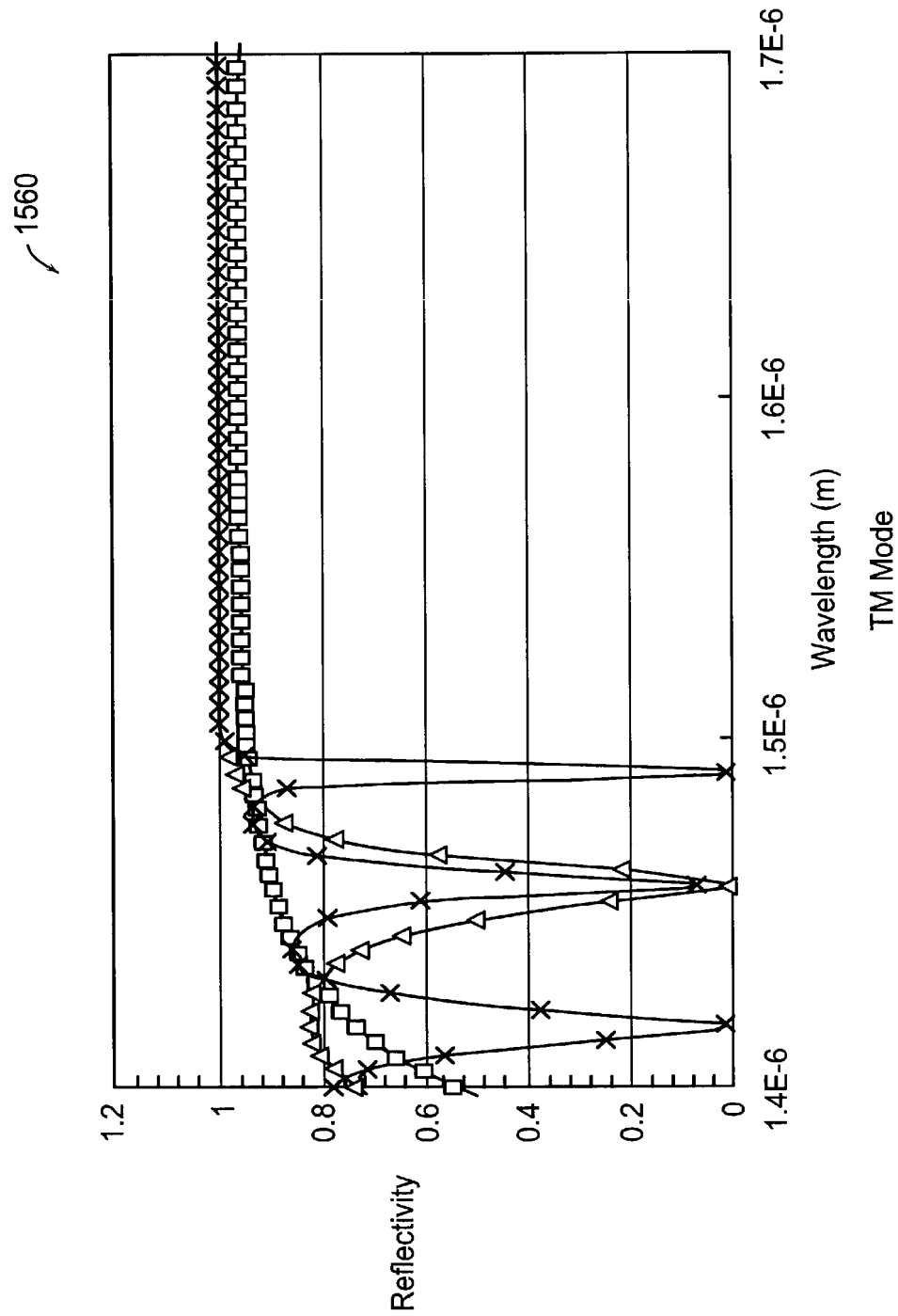


FIG. 46B

51/70

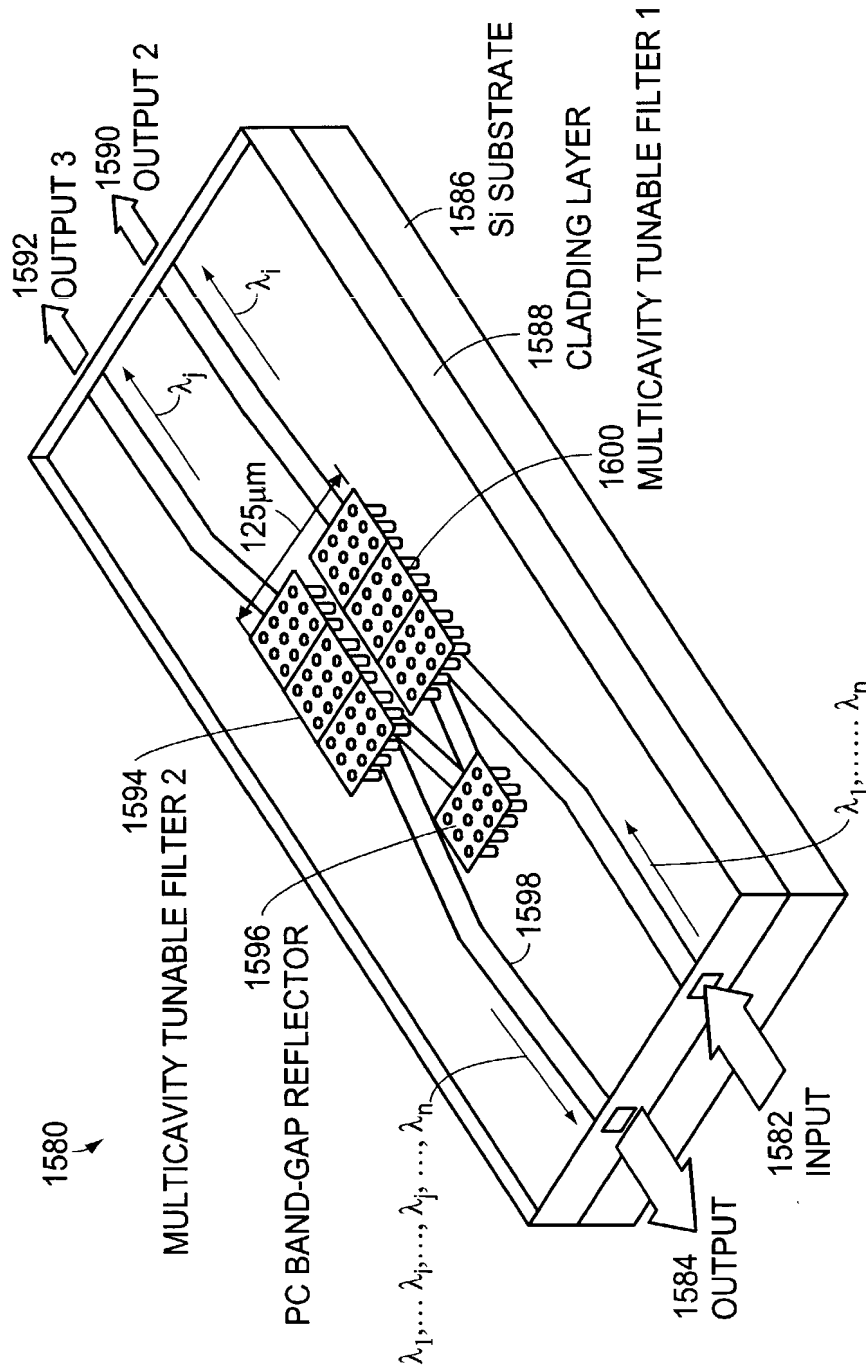


FIG. 47

52/70

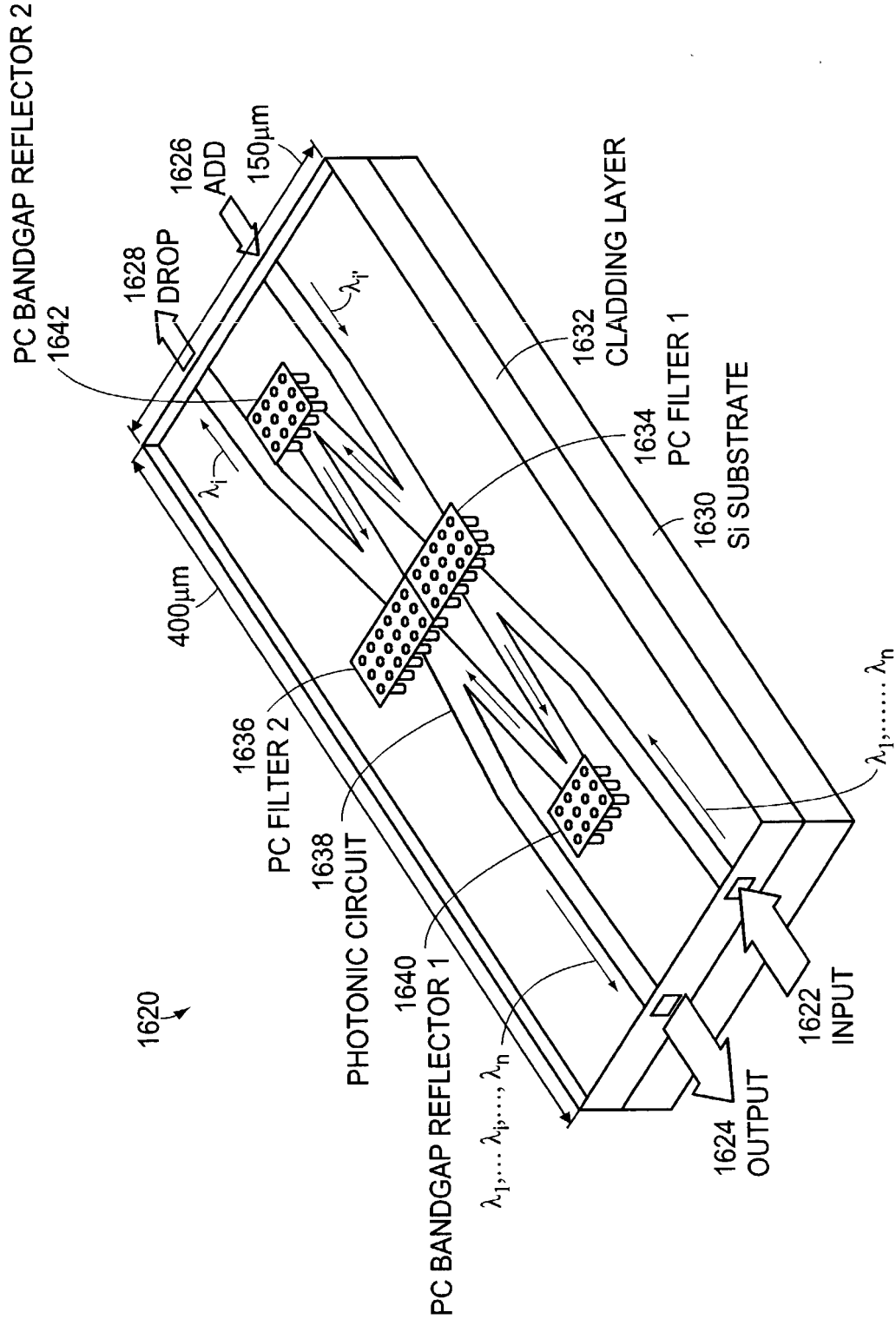


FIG. 48A

53/70

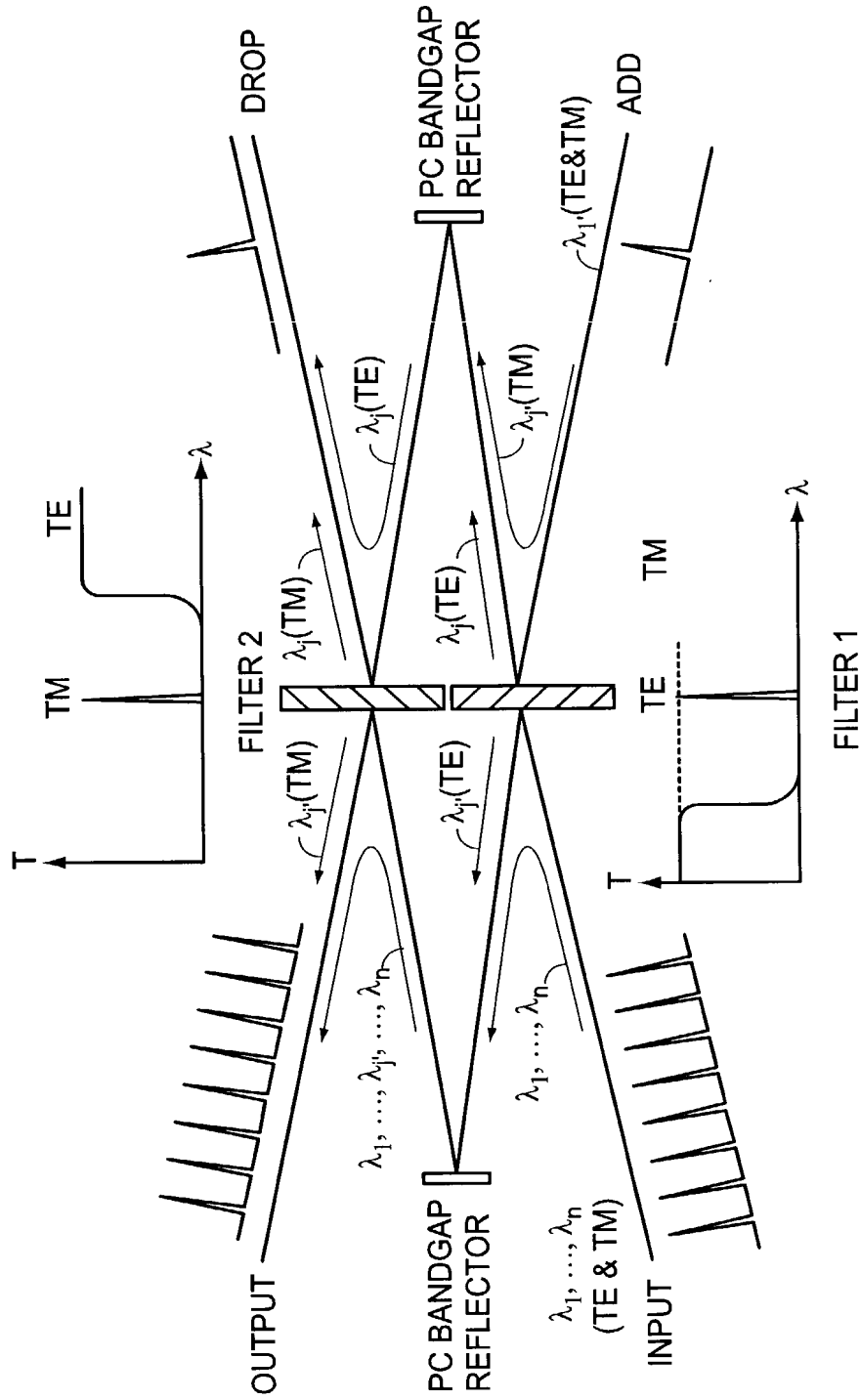
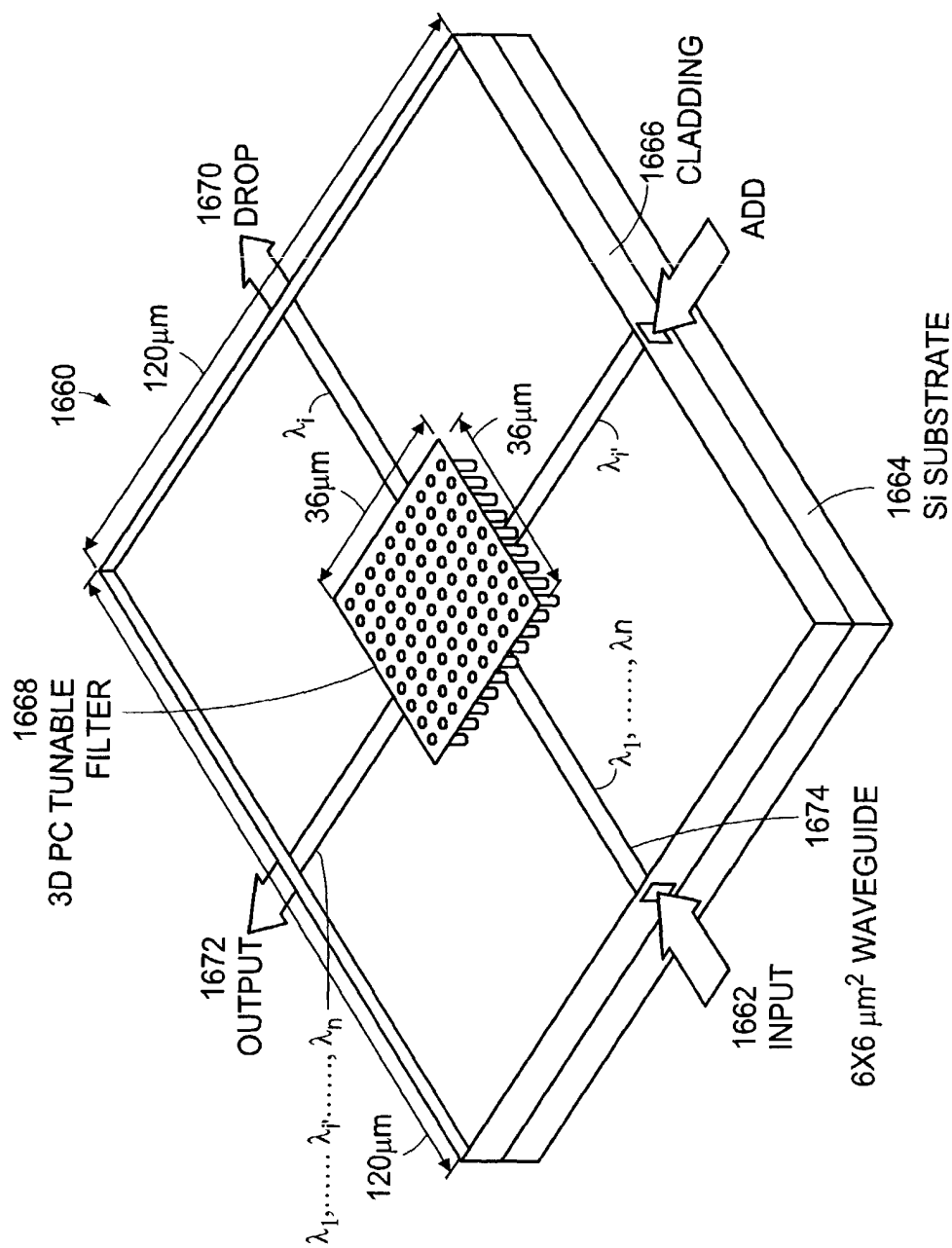


FIG. 48B



55/70

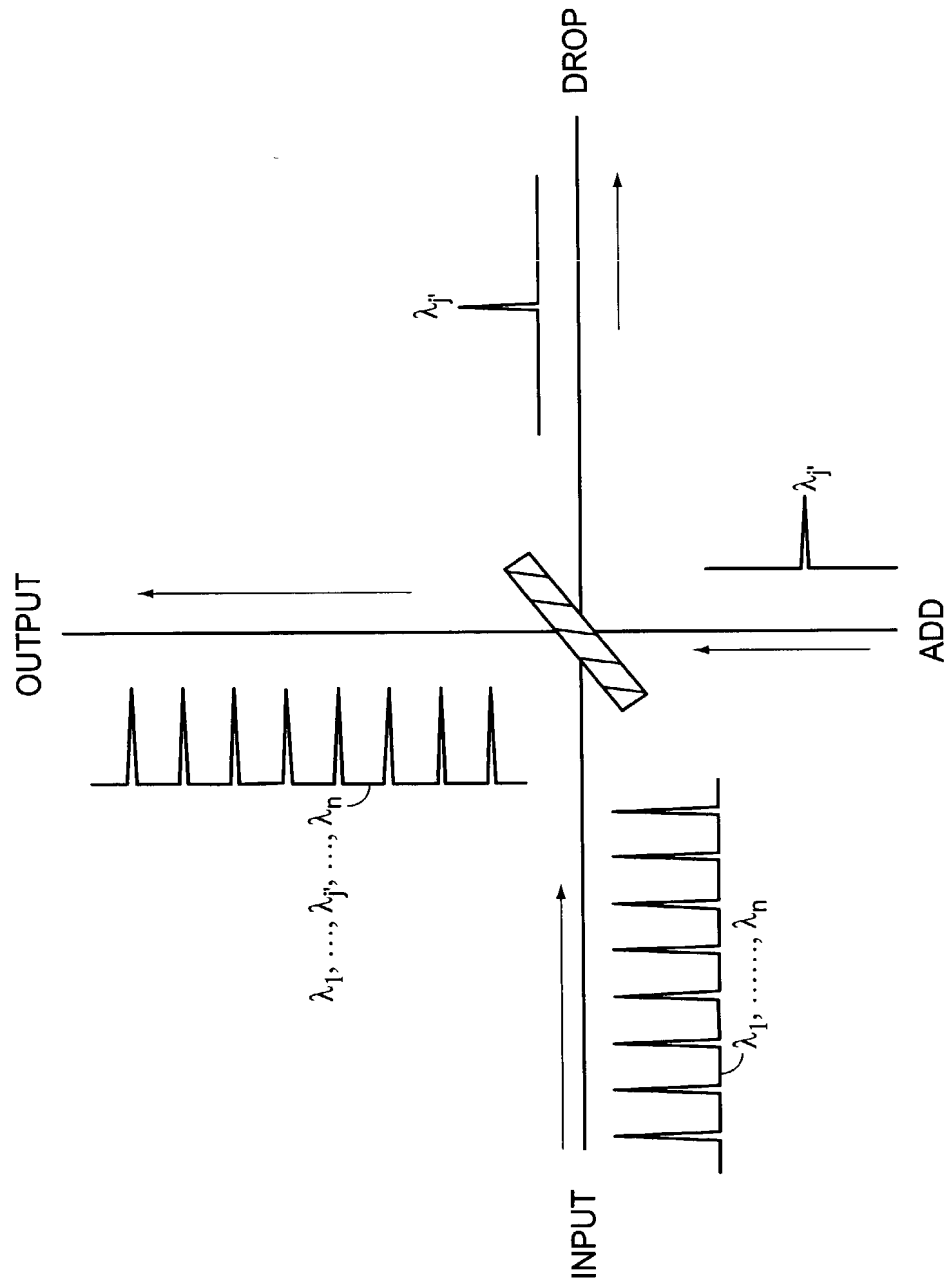


FIG. 49B

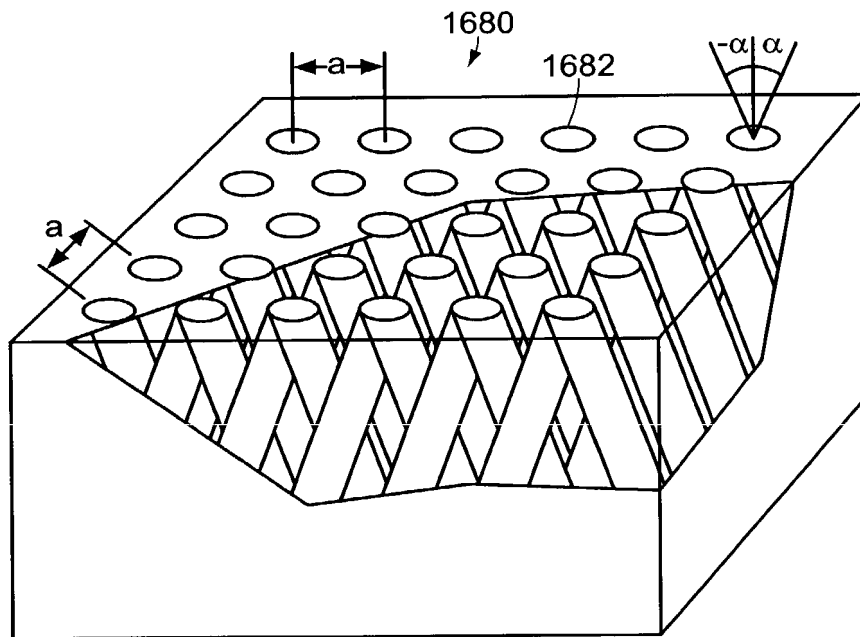


FIG. 49C

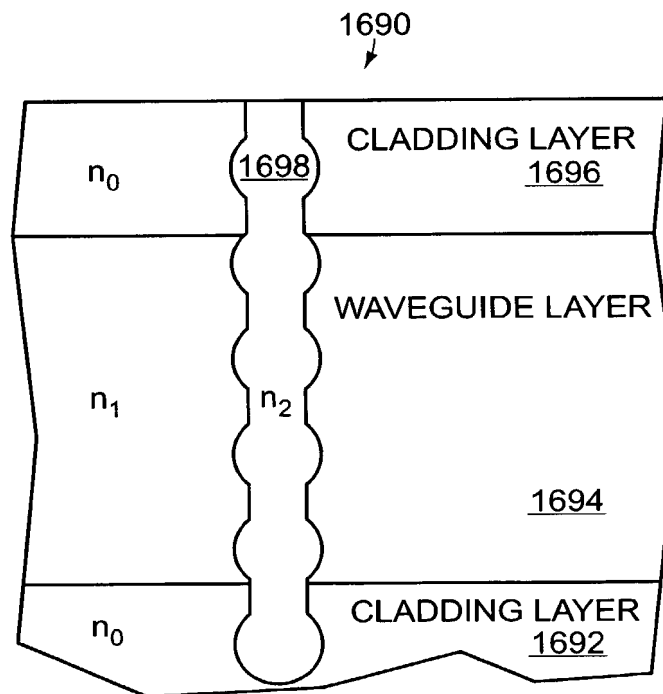


FIG. 49D

57/70

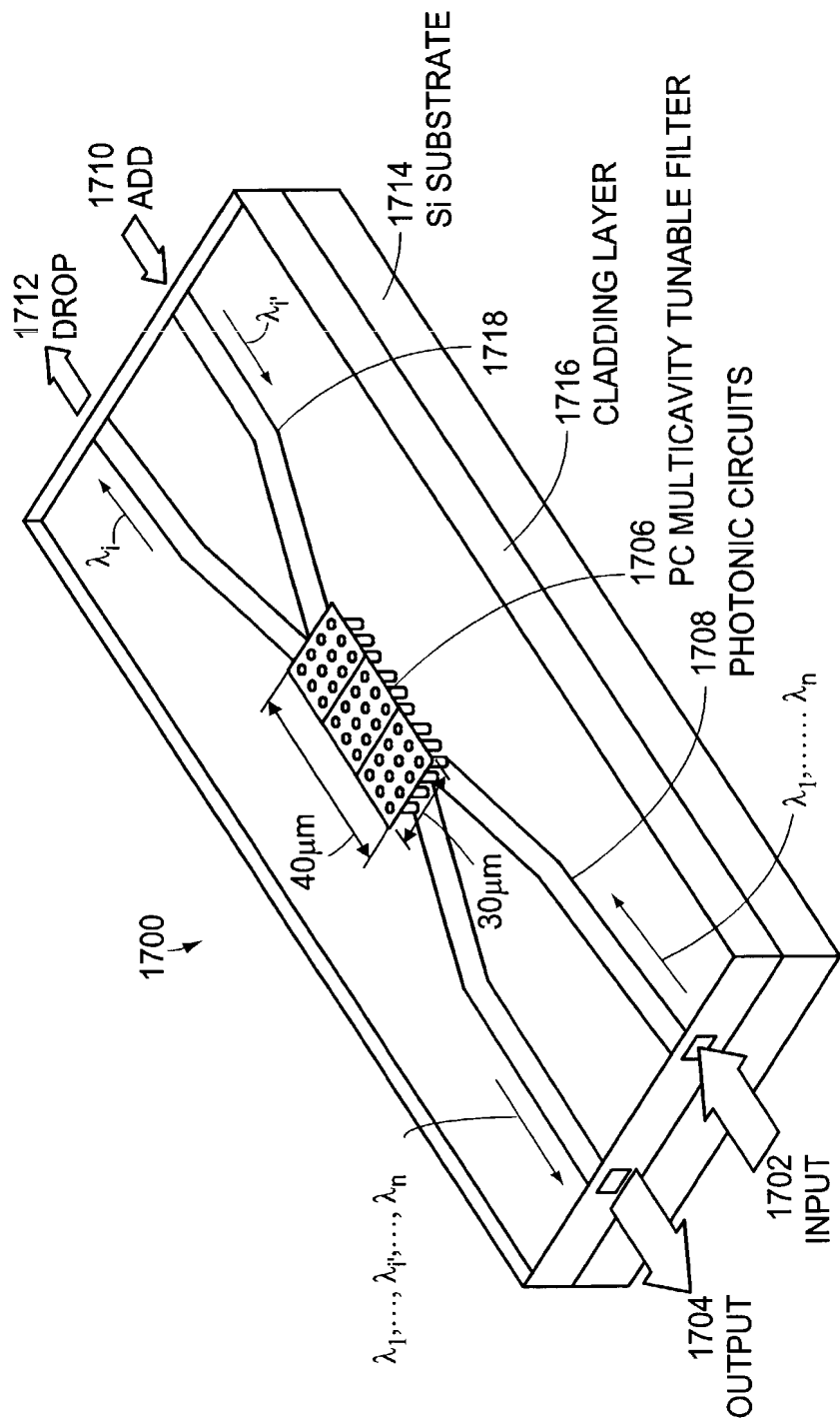
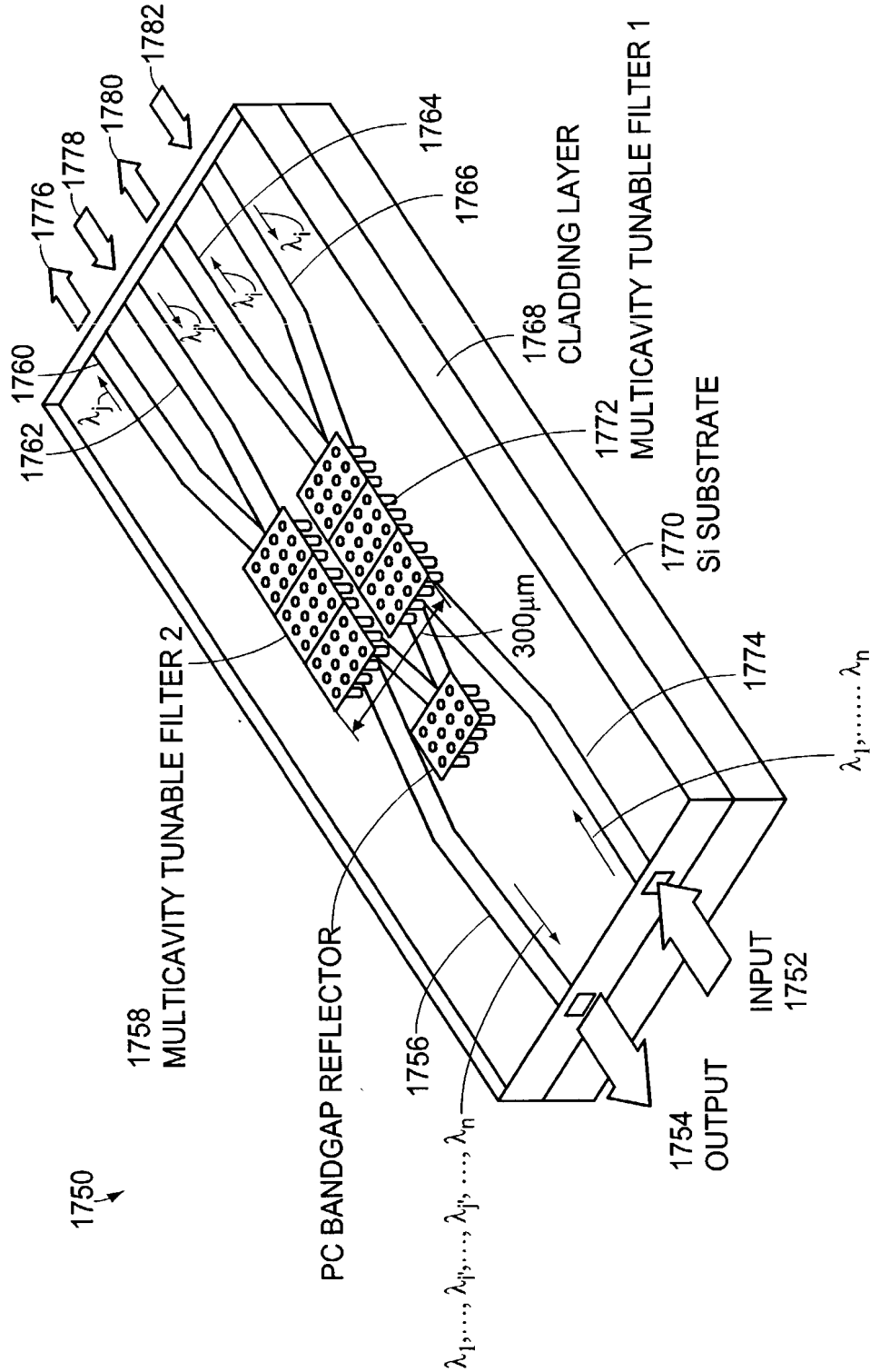


FIG. 50

58/70



DUAL-WAVELENGTH DYNAMIC OADM

FIG. 51

59/70

1800

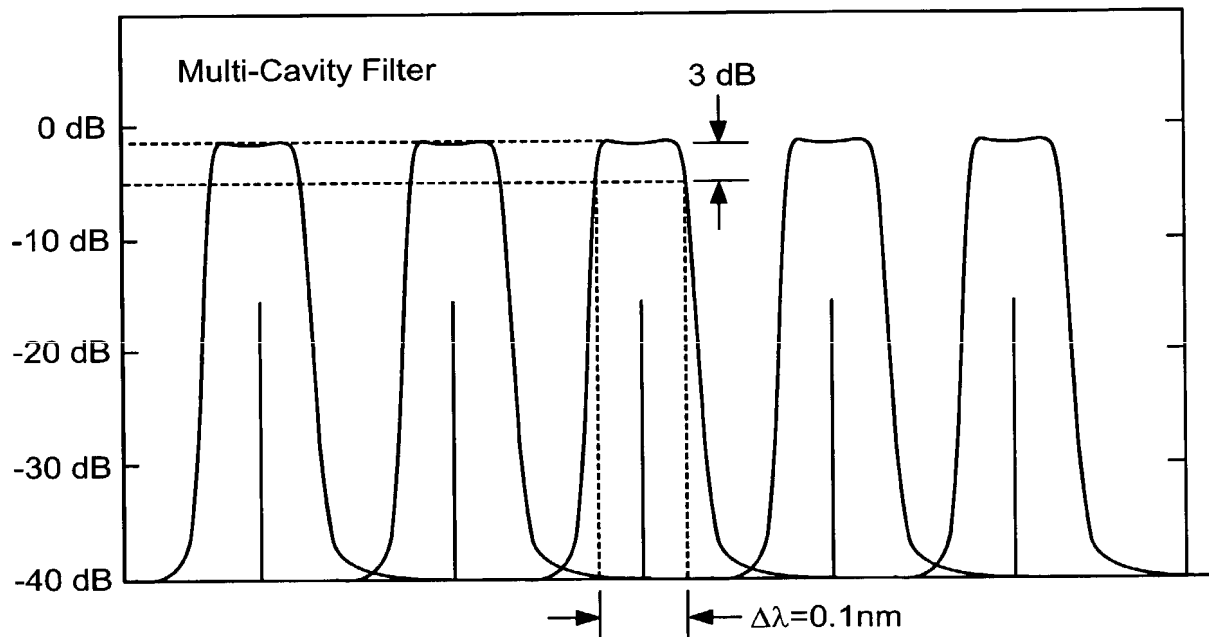


FIG. 52A

1810

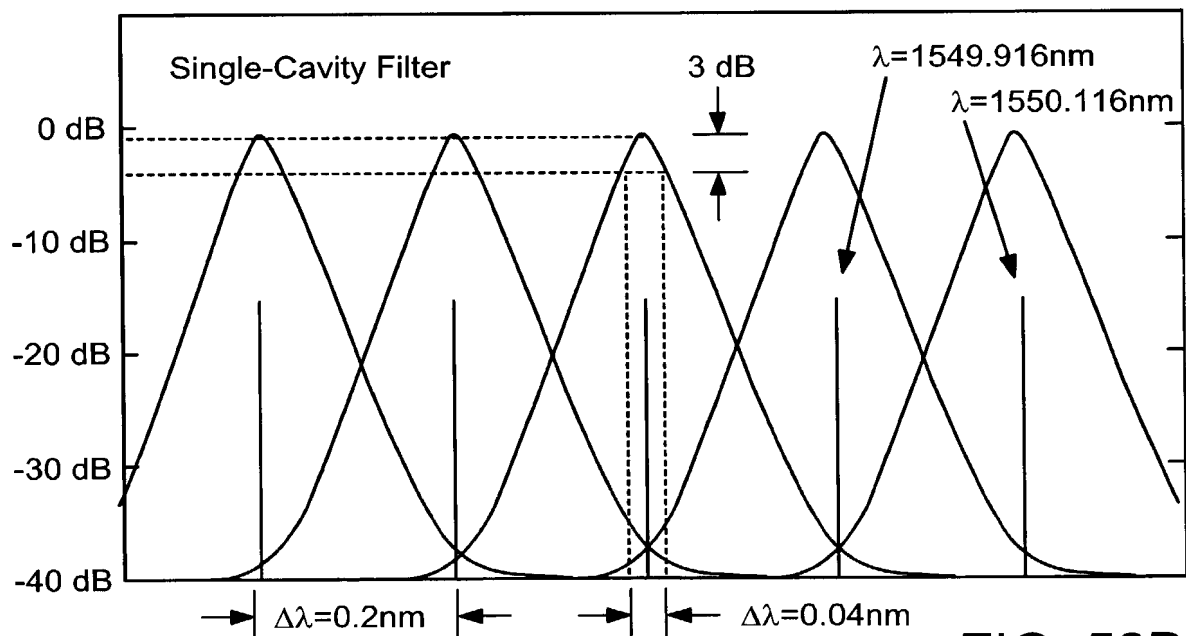


FIG. 52B

60/70

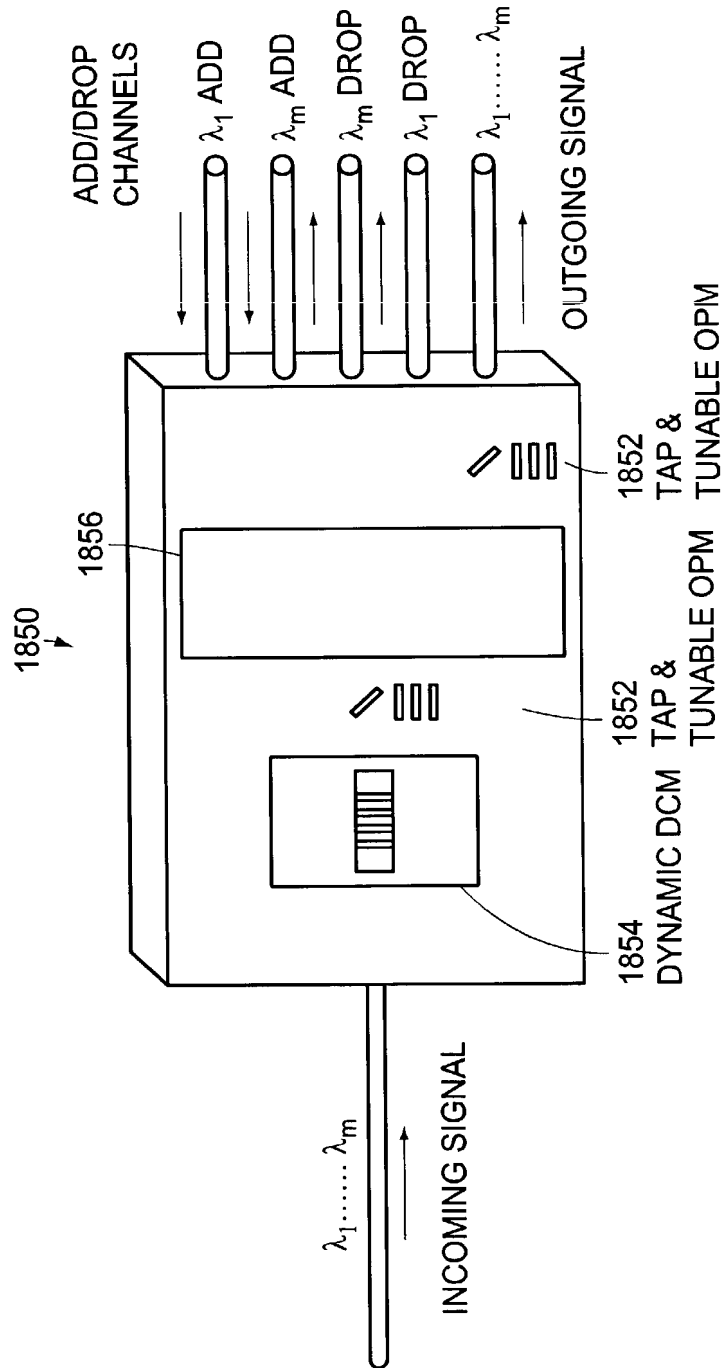


FIG. 53A

61/70

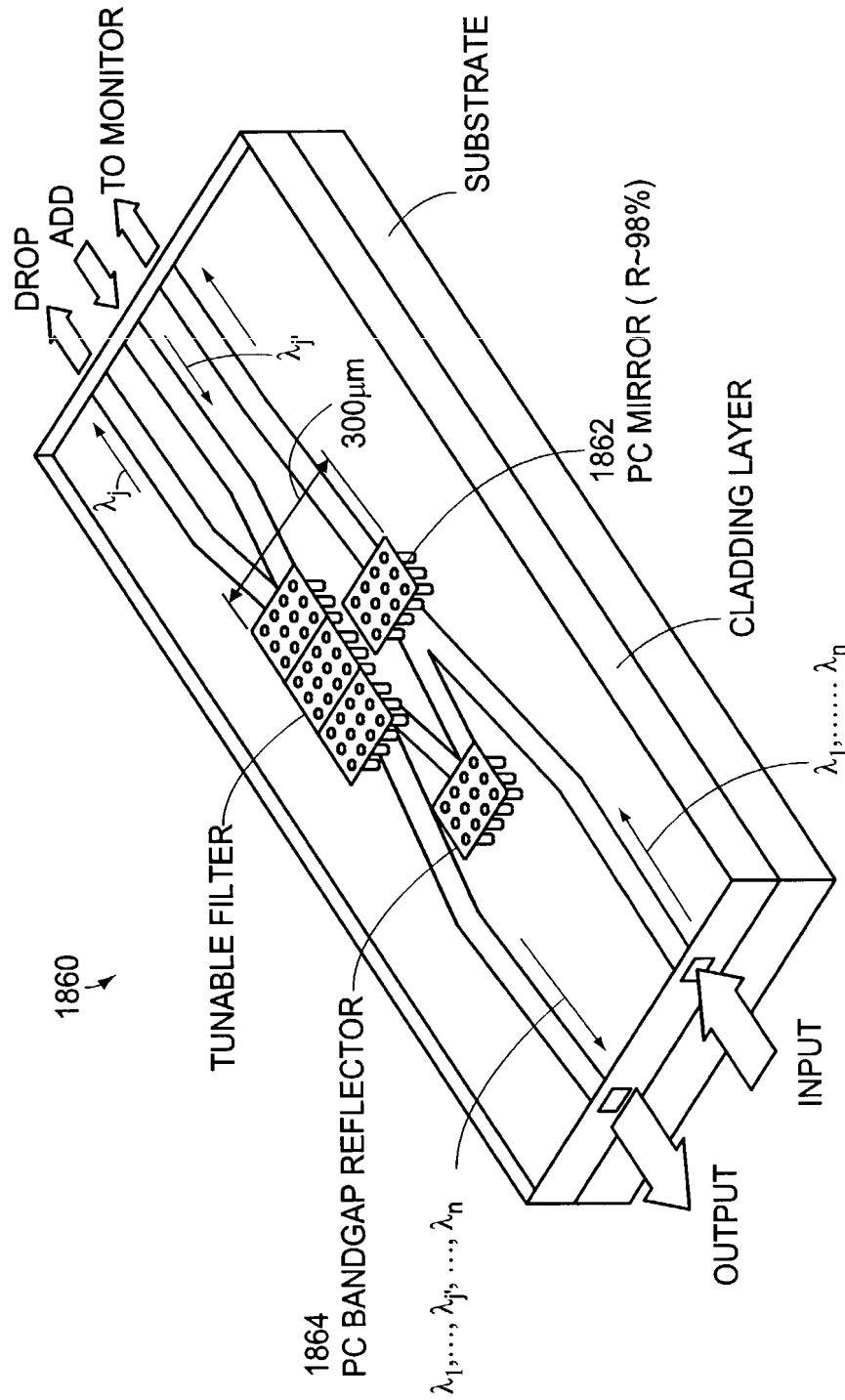


FIG. 53B

62/70

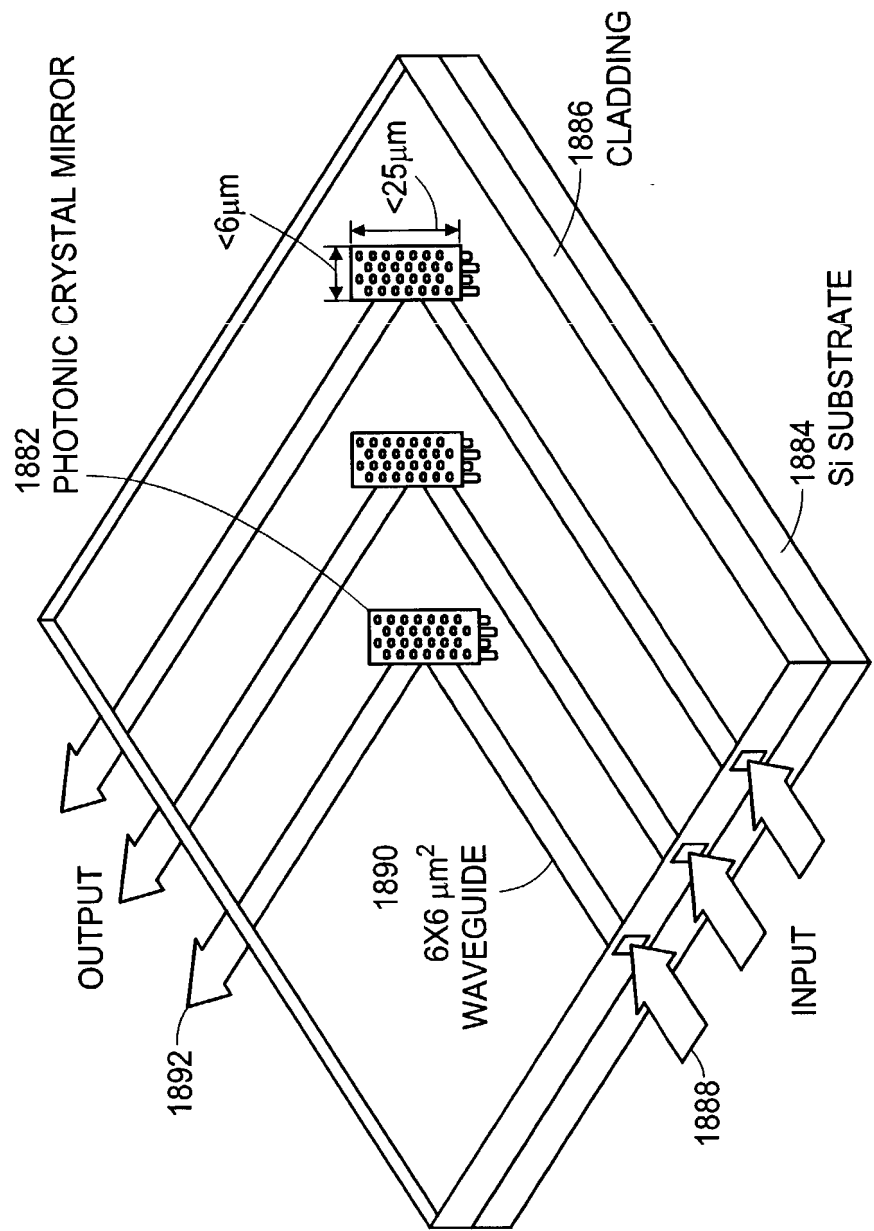


FIG. 54A

63/70

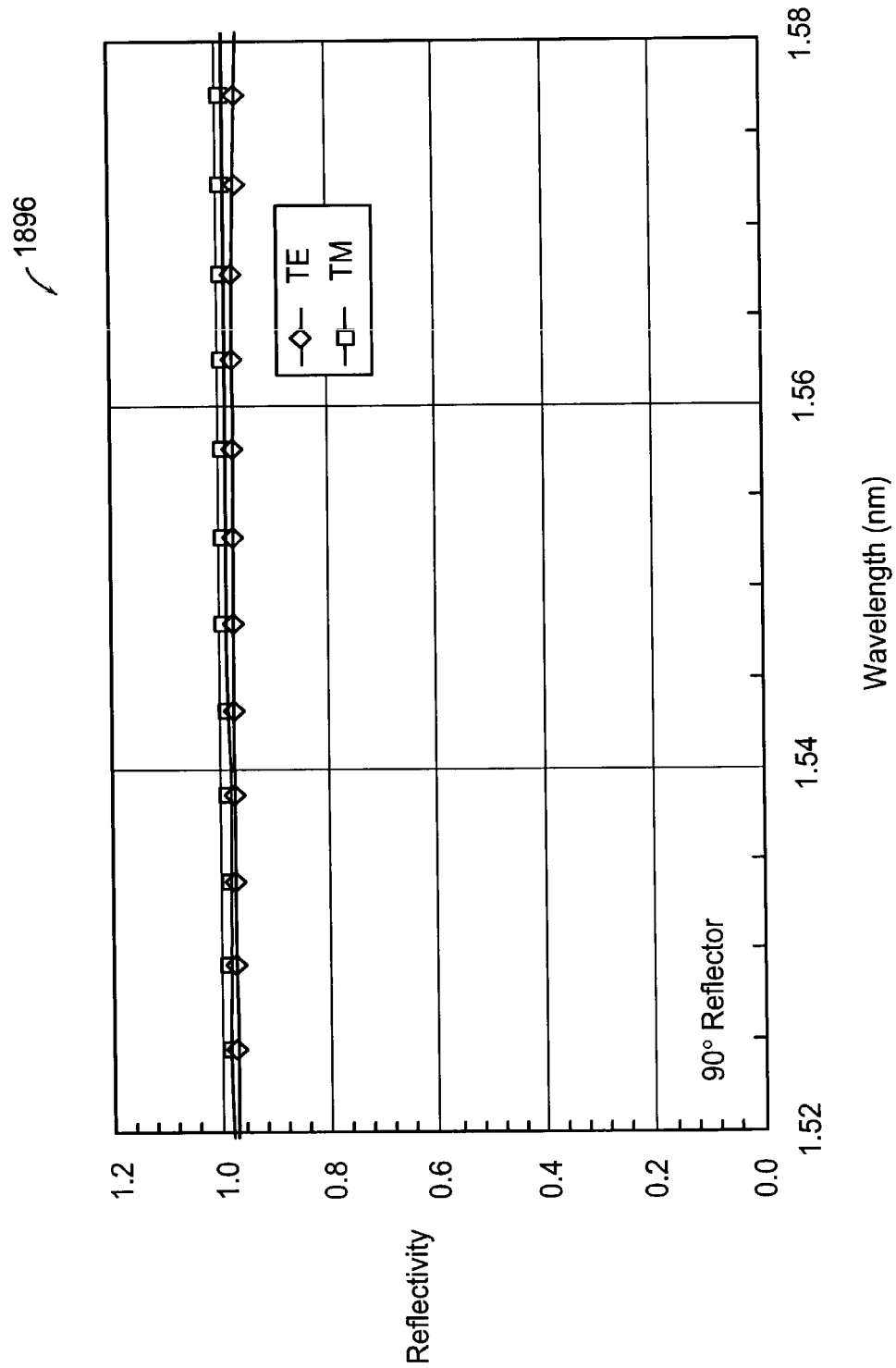
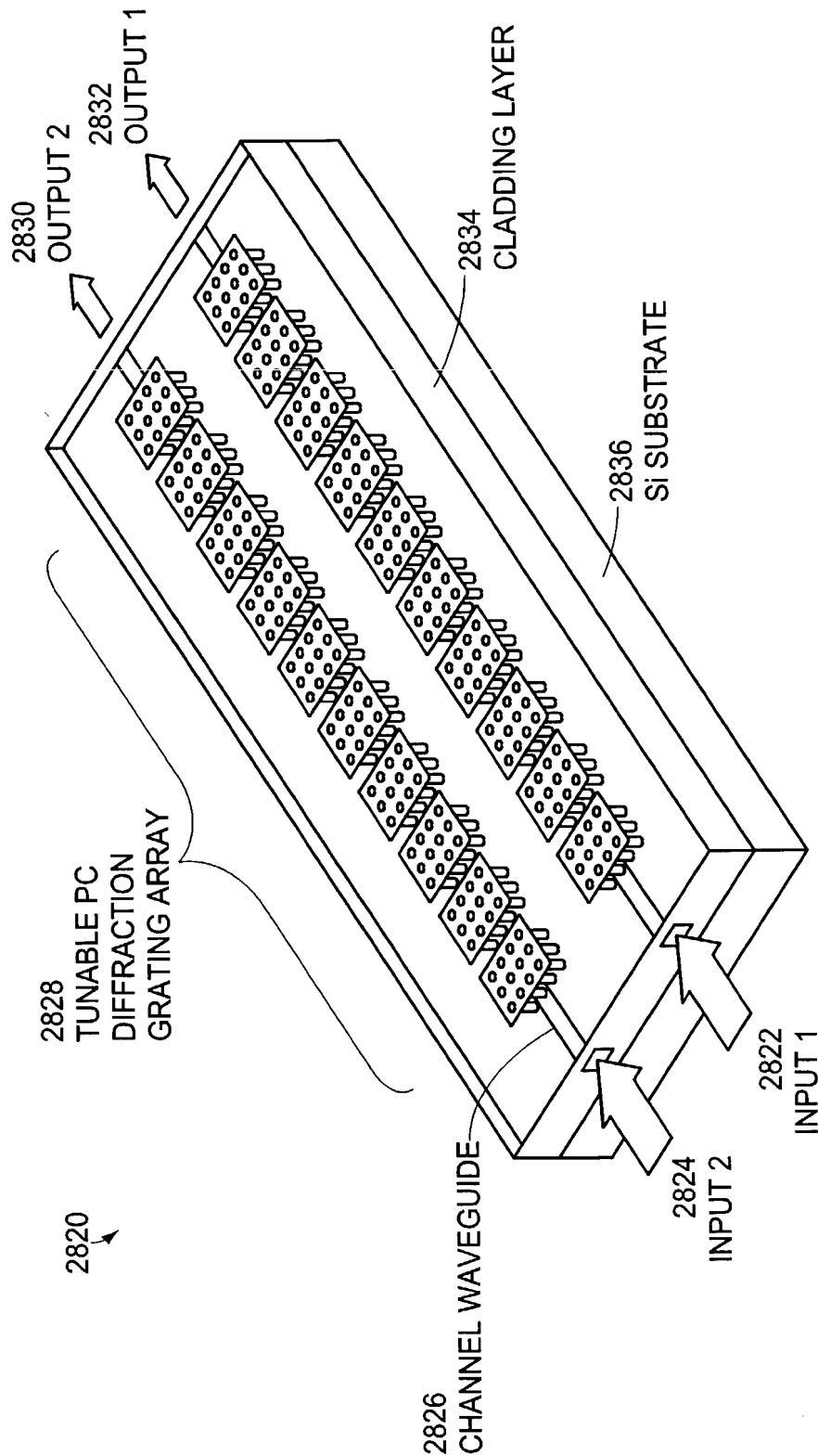


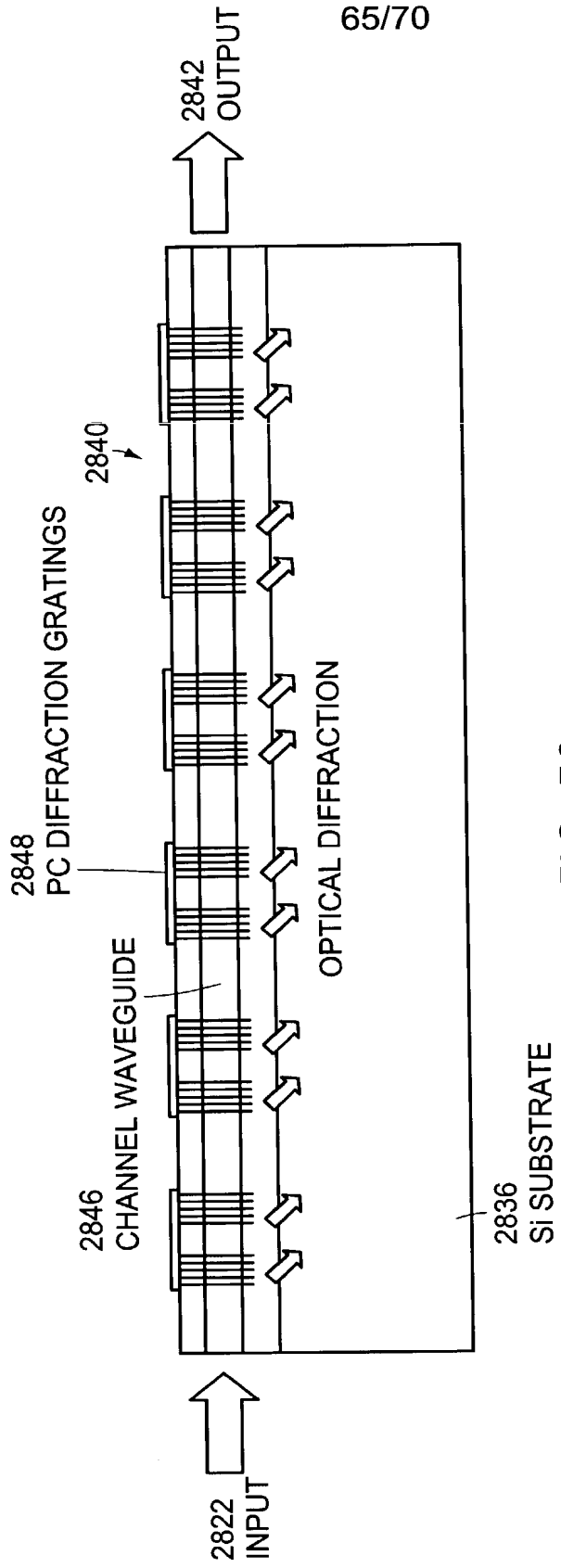
FIG. 54B

64/70



VARIABLE OPTIC ATTENUATION/SPECTRAL EQUALIZER ARRAY

FIG. 55



65/70

FIG. 56

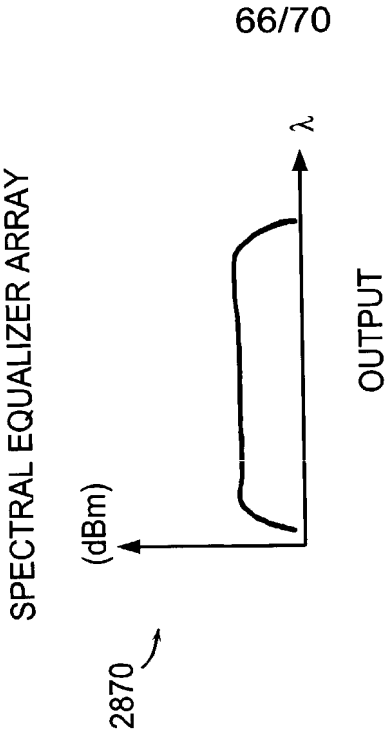


FIG. 57B

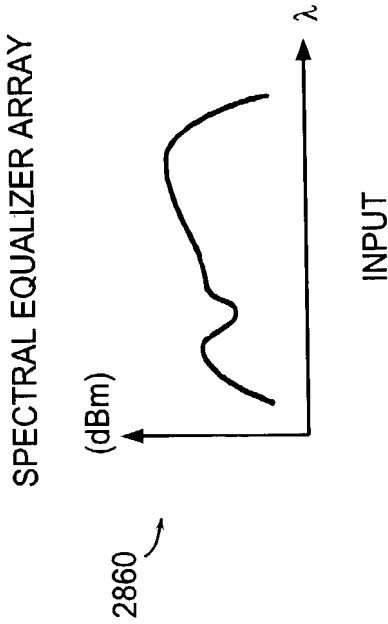


FIG. 57A

67/70

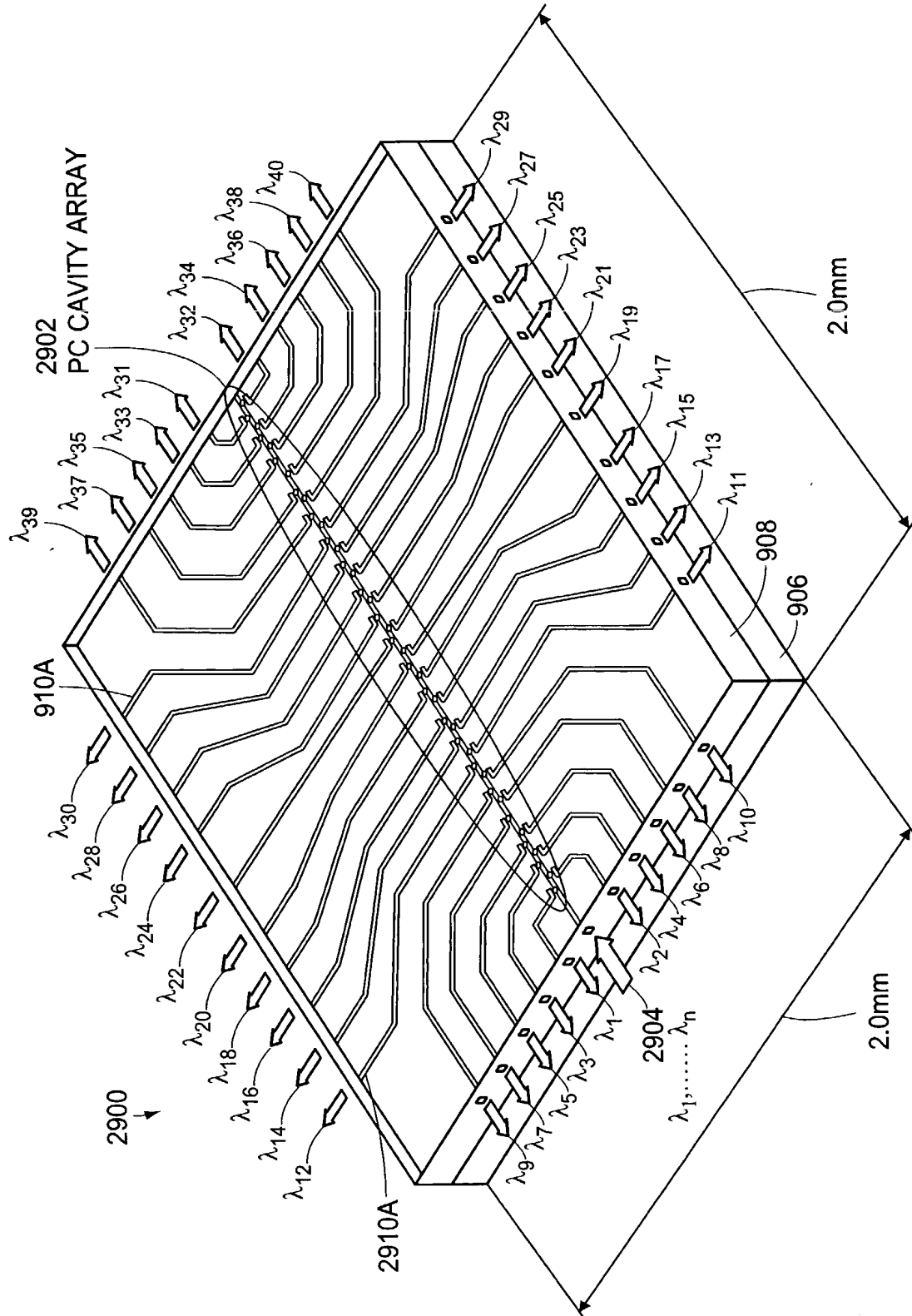


FIG. 58

68/70

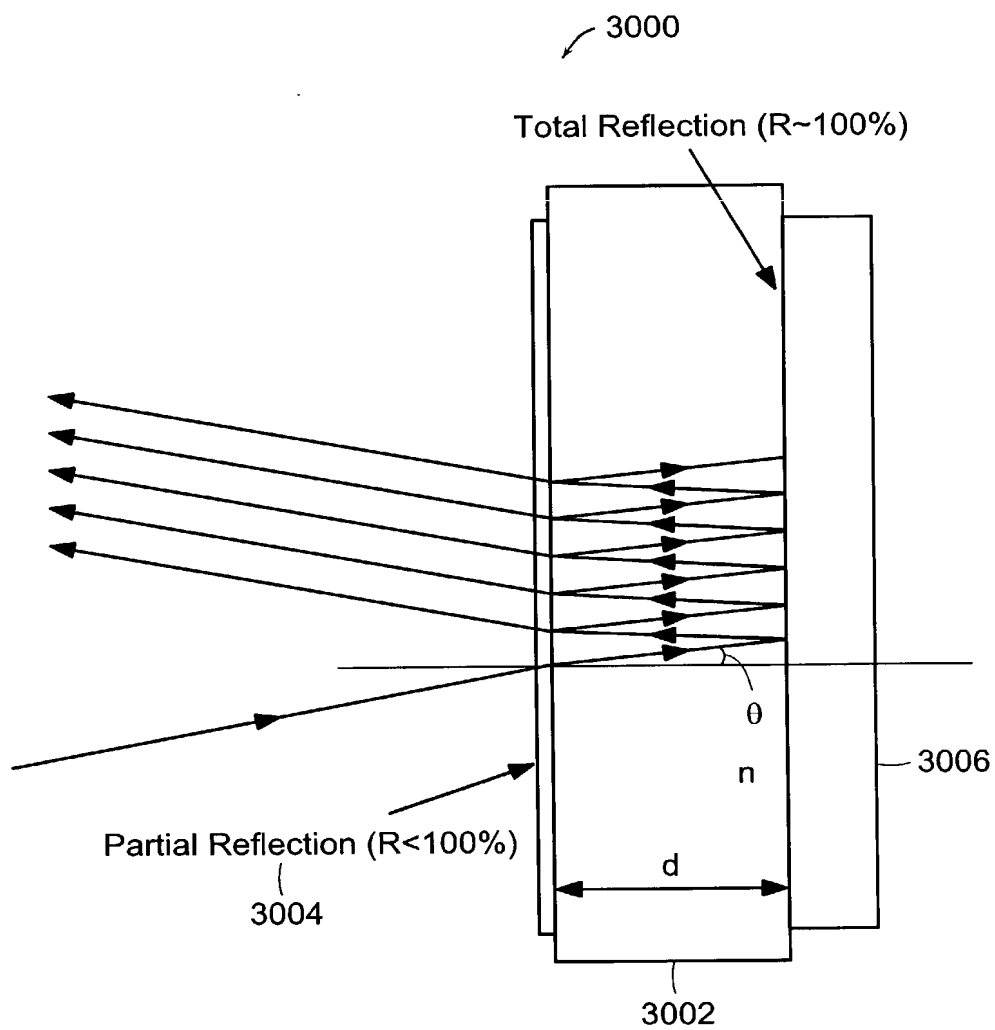


FIG. 59

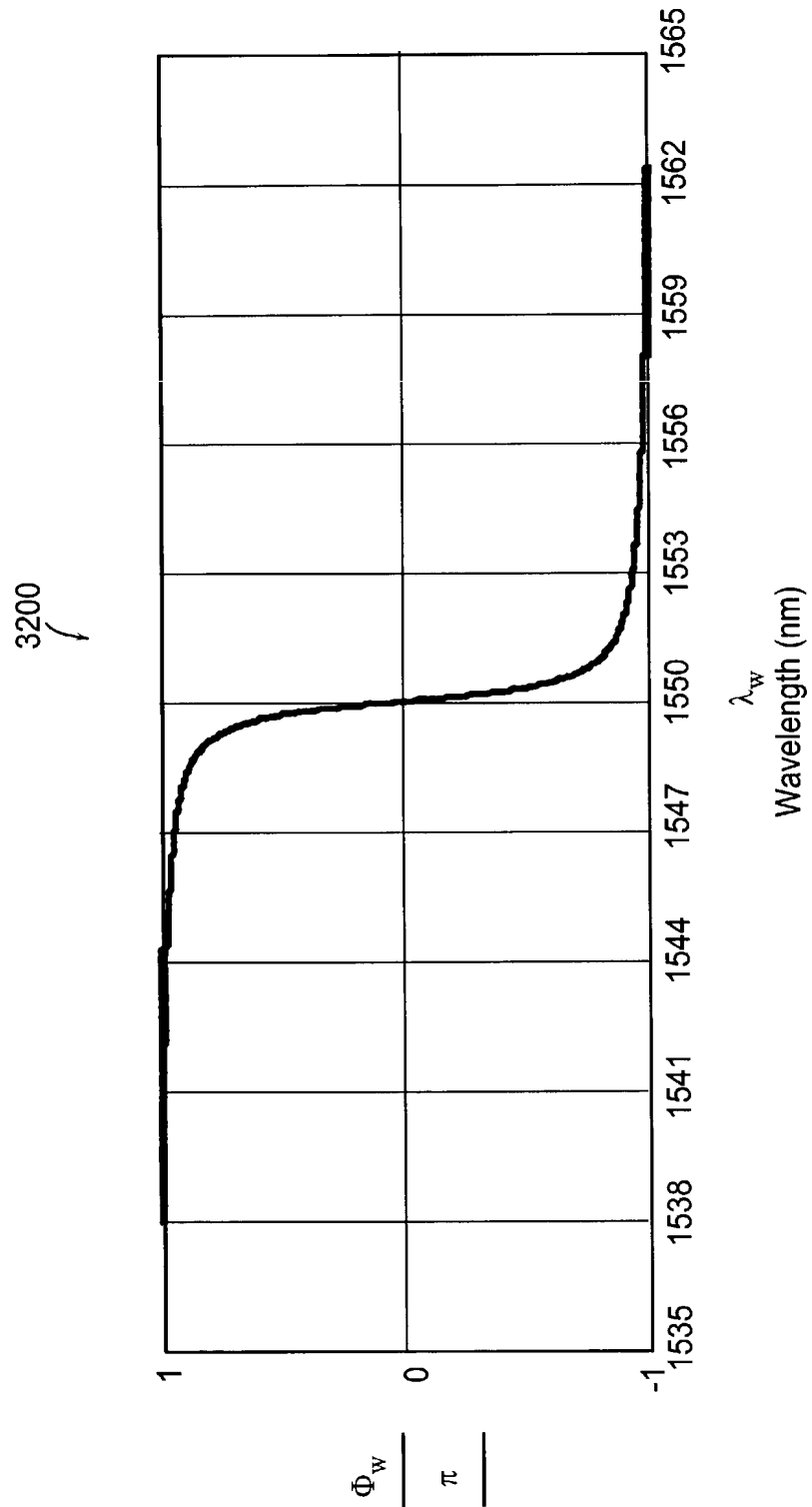


FIG. 60

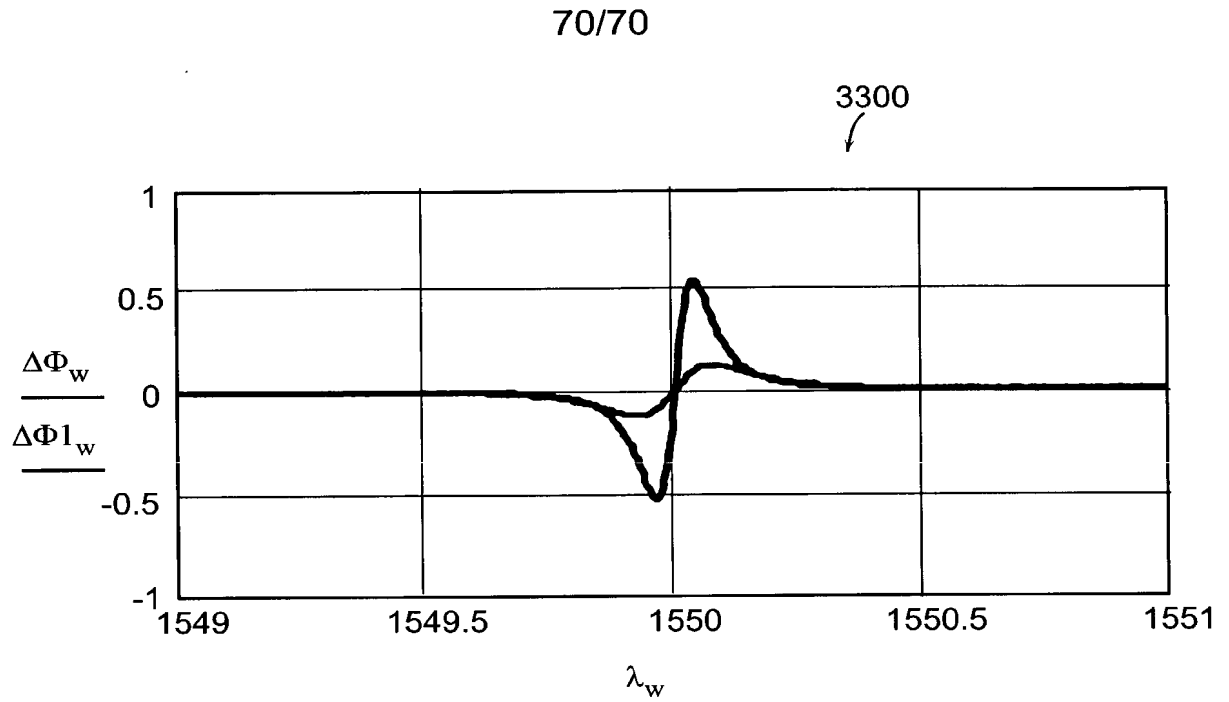


FIG. 61

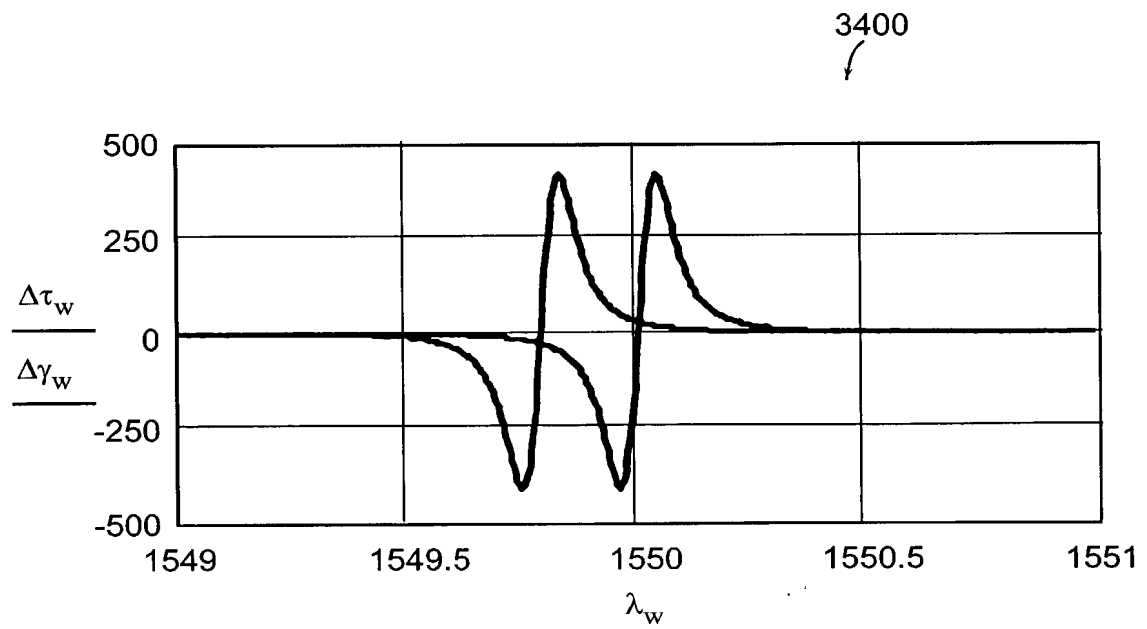


FIG. 62